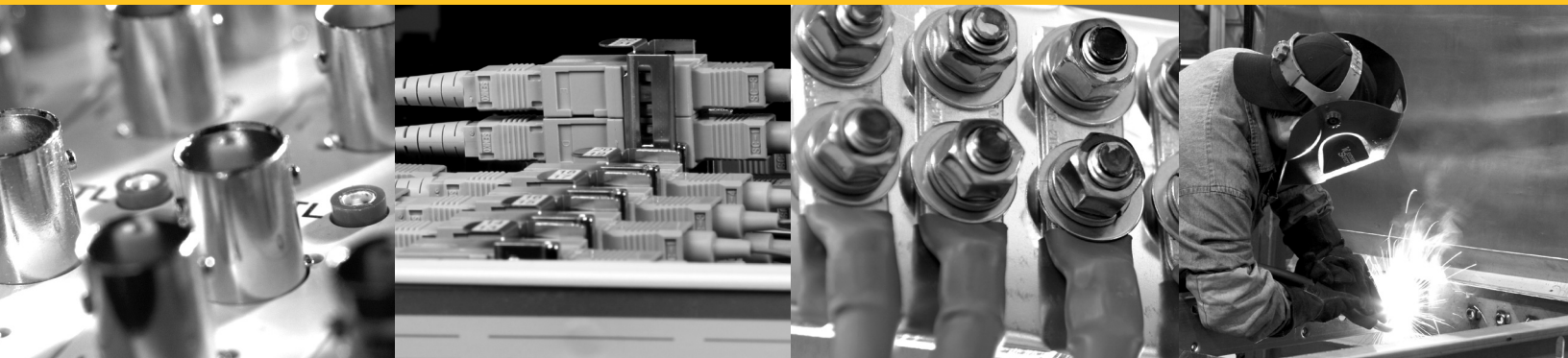




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**“everything should be  
made as simple as possible,  
but not simpler.”**

– Albert Einstein

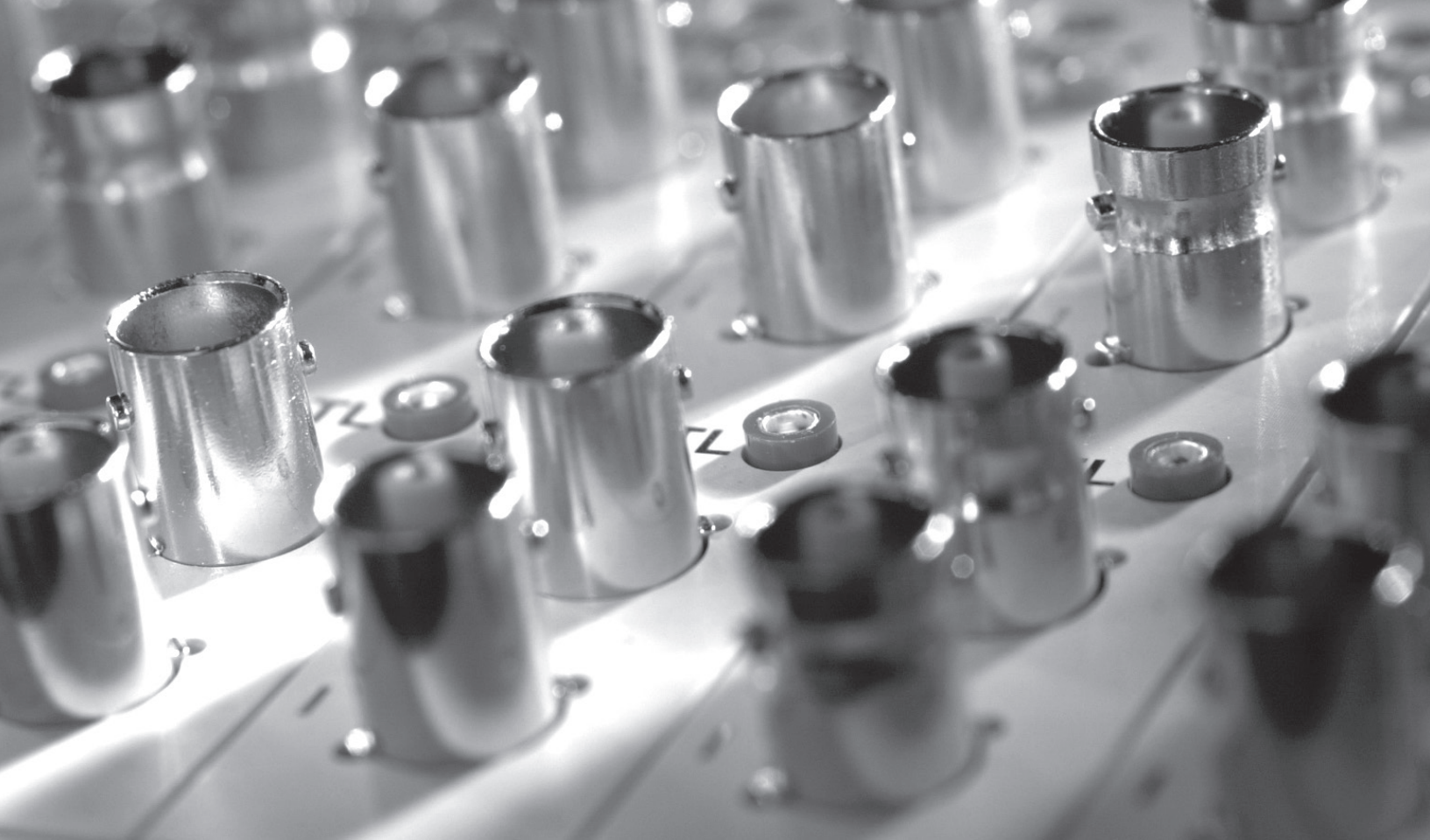
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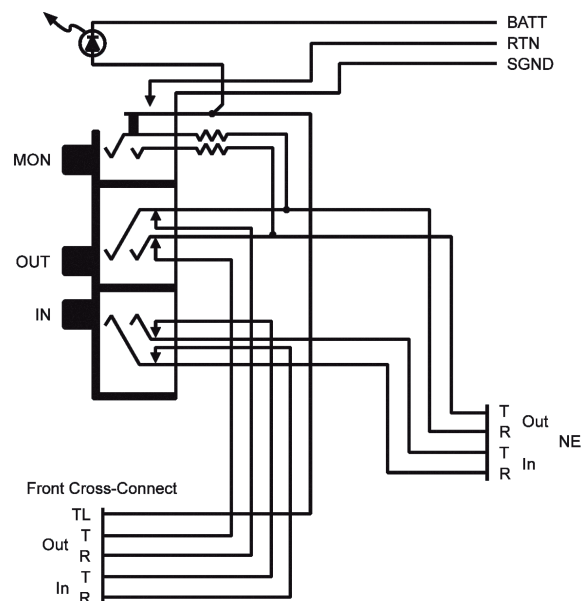
# DSX-1 Feature Comparisons & Jack Specifications

|                                     | Termination Count | Cross-Connect | Mounting                                         | Key Feature/Application                                                                                                                        |
|-------------------------------------|-------------------|---------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Traditional Non-Modular Panels      | From 28 to 112    | Front/Rear    | 19"/23", ETSI                                    | Variety of configurations to meet a broad range of requirements                                                                                |
| Low-Profile Panels                  | 28, 56, 64, 84    | Front/Rear    | 19"/23", ETSI                                    | Maximize rack space – all panels just 4" in height                                                                                             |
| E84 Panels                          | 84                | Front         | 19"/23", ETSI                                    | High-density, lightweight design; matches SONET multiples                                                                                      |
| 4000 Series/TeleMIX™ Modular Panels | Up to 64/84       | Front         | 19"/23", ETSI, wall-mount                        | Can be scaled to match demand or deployed as a fully loaded panel; additional functionality (DSX-3, fiber patch, power distribution) available |
| Industry-Compatible Panels          | 84                | Front/Rear    | 19"/23", ETSI                                    | Fully compatible with legacy panels; variety of configurations available                                                                       |
| Dual Monitor 84 Panel               | 84                | Front         | 19"/23", ETSI                                    | Additional monitor jack enables access to both directions of the circuit from one panel                                                        |
| 1 RU Multifunction Panel            | Up to 24          | Front         | 19"/23", ETSI                                    | Compact network edge solution; modular design enables customization                                                                            |
| Wall-Mount/TFA Panels               | 8, 12, 64, 84     | Front         | 8/12-term. wall-mount; 64/84-term. 19"/23", ETSI | Engineered for huts, CEVs, backboards and other limited-space applications                                                                     |
| High-Density Bays                   | 1764              | Front         | Full bay, 23"                                    | Fully configured high-density solution simplifies deployment and maximizes space                                                               |
| Modular E1 Panels                   | 56, 64            | Front         | 19"/23", ETSI                                    | Modular platform brings DSX functionality to E1 networks                                                                                       |
| Non-Modular E1 Panels               | 64, 128           | Front         | 19"/23", ETSI                                    | Dual monitor capabilities and ultra high density (128-term.) for E1 networks                                                                   |

## DS1 Jack Specifications

| Connections              |                                                      |
|--------------------------|------------------------------------------------------|
| Jack type                | Telect Dedicated Digital Jack, Bantam style          |
| Electrical               |                                                      |
| Insertion loss           | < -0.5 dB (at 1.576 MHz)                             |
| Crosstalk                | ≤ -60 dB                                             |
| Return loss              | ≤ -26 dB at 772 kHz                                  |
| Contact resistance       | < 0.01 ohms                                          |
| Characteristic impedance | Standard DSX-1 products: 100 ohms                    |
| Mechanical               |                                                      |
| Insertion force          | 4.17 lbs. (1.9 kg) average                           |
| Withdrawal force         | 5.21 lbs. (2.4 kg) average                           |
| Life minimum             | 20,000 insertion/withdrawal cycles                   |
| Vibration                | Per MIL-STD-202F, method 201A                        |
| Environmental            |                                                      |
| Salt spray               | Per MIL-STD-202F, method 101D                        |
| Moisture resistance      | Per MIL-STD-202F, method 106E                        |
| Thermal limits           | -40 to 65° C operating<br>-55 to 85° C non-operating |
| Thermal shock            | Per MIL-STD-202, method 107D                         |
| Humidity                 | 0 to 95% operating and non-operating                 |

## DS1 Jack Circuit



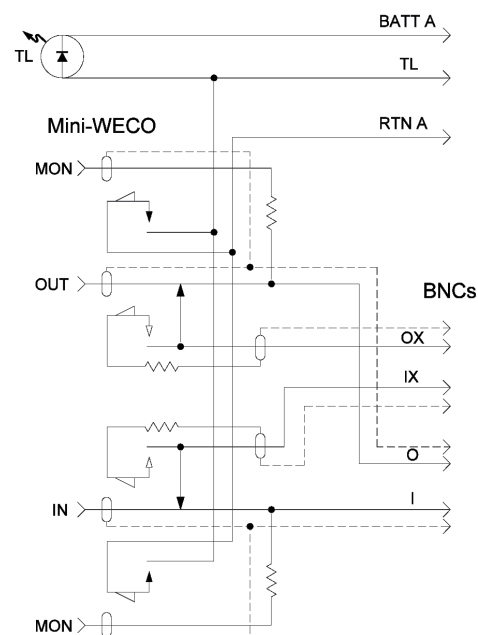
# DSX-3 Feature Comparisons & Jack Specifications

|                           | Termination Count | Cross-Connect      | Mounting      | Modules                                   | Key Feature/ Application                                                   |
|---------------------------|-------------------|--------------------|---------------|-------------------------------------------|----------------------------------------------------------------------------|
| BCS HD                    | 24, 32, 48        | Rear               | 19"/23"       | DSX-3                                     | 48-termination panel just 6" in height                                     |
| BCS II                    | 8, 10, 24, 32, 48 | Rear               | 19"/23"       | DSX-3, repeater media converter           | High-density design combines DSX-3 and unique active functionality         |
| BCS                       | 8, 10, 18, 24     | Front/Rear         | 19"/23"       | DSX-3, repeater                           | Multiple function modules, pre-wireable backplane                          |
| BCS 4R                    | 24, 32            | Rear               | 19"/23"       | DSX-3                                     | Essential connectivity in a cost-effective design                          |
| Traditional DSX-3         | 6, 8, 18, 24      | Rear               | 19"/23"       | DSX-3                                     | For legacy installations; traditional 7" height                            |
| Industry-Compatible DSX-3 | 16, 20, 24        | Rear               | 19"/23"       | DSX-3                                     | Fully compatible with DSX-4M and DSX-4H                                    |
| 1 RU Multifunction Panel  | 6                 | Front/Rear         | 19"/23", ETSI | DSX-3, DSX-1, Ethernet patch, fiber optic | Compact network edge solution; modular design enables customization        |
| TFA DSX-3 System          | 3, 4              | Total front access | 19"/23"       | DSX-3                                     | Engineered for huts, CEVs, backboards and other limited-space applications |

## DS3 Jack Specifications

| Connections              |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| Jack type                | Standard coax                                                                                 |
| Electrical               |                                                                                               |
| Insertion loss           | ≤ 0.30 dB at DS3 signal rates for assemblies that do not include a monitor network            |
| Crosstalk                | ≤ 1.00 dB at DS3 signal rates for assemblies that include a single monitor network            |
| Return loss              | ≤ -26 dB at DS3, STS-1, and E3 signal rates<br>≤ -15 dB over frequency range 8 MHz to 240 MHz |
| Monitor level            | 21 dB +/-1.5 dB below signal level                                                            |
| Contact resistance       | ≤ 0.01 ohms                                                                                   |
| Characteristic impedance | 75 ohms                                                                                       |
| Mechanical               |                                                                                               |
| Insertion force          | 10 lbs. (4.6 kg) maximum                                                                      |
| Withdrawal force         | 7 lbs. (3.2 kg) maximum                                                                       |
| Life                     | Minimum 10,000 insertion/withdrawal cycles                                                    |
| Environmental            |                                                                                               |
| Thermal limits           | -55 to 85° C operating and non-operating                                                      |
| Thermal shock            | Per MIL-STD-202, method 107D                                                                  |
| Humidity                 | 0 to 95% operating and non-operating                                                          |

## DS3 Jack Circuit



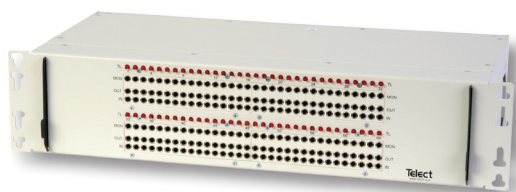
Note: All 19" chassis and panels can be ETSI mounted with adapter brackets.

# DSX-1, Low-Profile Panels

## 56, 64 & 84 Terminations



56-Term. 19" Front Cross-Connect DSX-1 Panel  
(010-0156-0010)



64-Term. 19" Rear Cross-Connect DSX-1 Panel  
(010-2164-0000)

### 56-Termination Panels

| Description                                    | Part Number   |
|------------------------------------------------|---------------|
| Front cross-connect, 19", wire-wrap, white     | 010-0156-0000 |
| Front cross-connect, 19", connectorized, white | 010-0156-0010 |
| Rear cross-connect, 19", wire-wrap, black      | 010-2156-0103 |

### 64-Termination Panels

| Description                                    | Part Number   |
|------------------------------------------------|---------------|
| Front cross-connect, 23", wire-wrap, white     | 010-0164-1000 |
| Front cross-connect, 23", connectorized, white | 010-0164-1010 |
| Rear cross-connect, 19", wire-wrap, white      | 010-2164-0000 |

### 84-Termination Panels

| Description                                    | Part Number   |
|------------------------------------------------|---------------|
| Front cross-connect, 23", wire-wrap, white     | 010-0184-1000 |
| Front cross-connect, 23", connectorized, white | 010-0184-1010 |
| Rear cross-connect, 19", wire-wrap, white      | 010-2184-0001 |
| Rear cross-connect, 19", connectorized, white  | 010-2184-0010 |

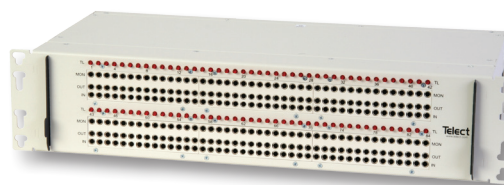
Telect low-profile DSX-1 panels deliver the cross-connect capabilities you need in a compact footprint to save space.

### Features

- 4" height provides 43% increase in DS1 circuit density over 7" products
- Industry-standard design enables the use of all standard Bantam patch cords
- EIA and WECO rack mounting, 19" or 23"
- Circuit multiples match industry-standard SONET OC3, 12, 48 and 192 systems
- Connectorized and wire-wrap panels available
- Reliability backed by patented Dedicated Digital Jacks™ and Telect's lifetime warranty
- Rack mounting for EIA/WECO hole spacing supported

### Specifications

|                  |                                                              |
|------------------|--------------------------------------------------------------|
| Panel Dimensions | 19"/23" W x 4" H x 12" D<br>(483 mm/584 mm x 102 mm x 31 mm) |
| <b>Weight</b>    |                                                              |
| 56-term. panel:  | 23 lbs. (10.4 kg)                                            |
| 64-term. panel:  | 24 lbs. (10.9 kg)                                            |
| 84-term. panel:  | 25 lbs. (11.3 kg)                                            |
| Rack mounting    | EIA/WECO                                                     |



84-Term. 19" Rear Cross-Connect DSX-1 Panel  
(010-2184-0010)

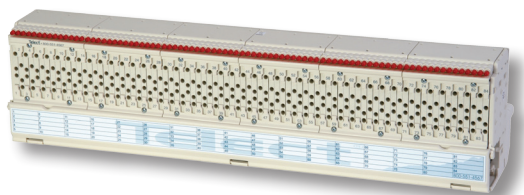


84-Term. 19" Rear Cross-Connect DSX-1 Panel  
(010-2184-0001)

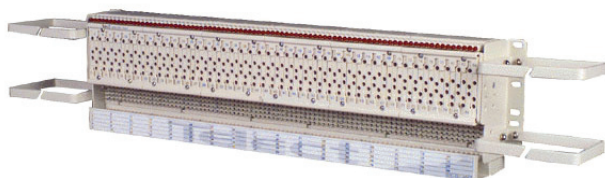


# DSX-1, 23"/84-Termination Panels

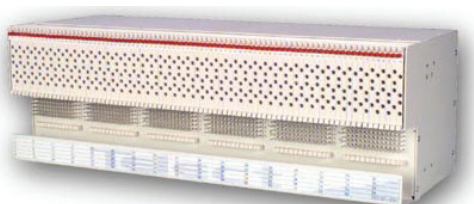
## Lightweight Design, Dual Monitor Option



84-Term. Connectorized DSX-1 Panel  
(E84C5)

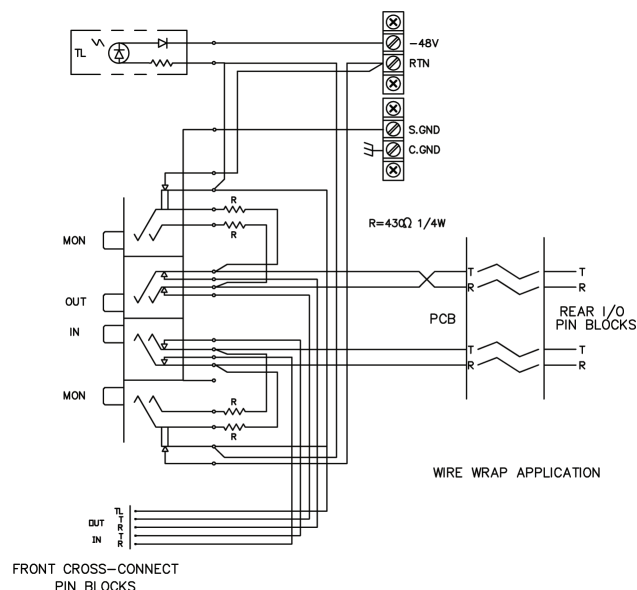


84-Term. Wire-Wrap DSX-1 Panel  
(E84B)



84-Term. Dual Monitor DSX-1 Panel  
(010-DM84-7001)

### DS1 Dual Monitor Jack Circuit Diagram



High-density panels that match SONET multiples, with an innovative design that's half the weight of traditional panels.

### Features

- Offset Bantam jacks allow the use of all standard patch cords for all DSX functions
- Insert molded jack frames provide a stronger, more durable construction than clamshell-style jacks
- Single-circuit removable jacks enable jack maintenance without disrupting other circuits or requiring any I/O cabling changes
- Dual monitor panel includes additional monitor jack for access to both sides of the DS1 signal from one location
- One-half the weight of traditional panels to significantly reduce shipping costs and ease installation, while reducing floor loading
- All panels include red LEDs
- NEBS 3 certified and backed by Telect's DSX lifetime warranty
- Rack mounting for EIA/WEKO hole spacing supported

### Connectorized Panels

| Description                  | Part Number |
|------------------------------|-------------|
| Front cross-connect, 5.25" H | E84C5       |
| Front cross-connect, 6" H    | E84C6       |
| Front cross-connect, 7" H    | E84C7       |

|            |                                                                       |
|------------|-----------------------------------------------------------------------|
| Dimensions | 23" W x 5.25"/6"/7" H x 5.25" D<br>(584 mm x 133/152/178 mm x 133 mm) |
| Weight     | 12.5 lbs. (5.7 kg)                                                    |

### Wire-Wrap Panels

| Description                  | Part Number |
|------------------------------|-------------|
| Front cross-connect, 5.25" H | E84A        |
| Front cross-connect, 6" H    | E84B        |
| Front cross-connect, 7" H    | E84         |

|               |                                                                    |
|---------------|--------------------------------------------------------------------|
| Dimensions    | 23" W x 5.25"/6"/7" H x 4" D<br>(584 mm x 133/152/178 mm x 102 mm) |
| Weight        | 11.5 lbs. (5.2 kg)                                                 |
| Rack mounting | EIA/WEKO                                                           |

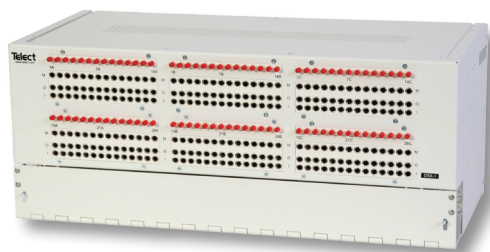
### Dual Monitor Panel

| Description               | Part Number   |
|---------------------------|---------------|
| Front cross-connect, 7" H | 010-DM84-7001 |

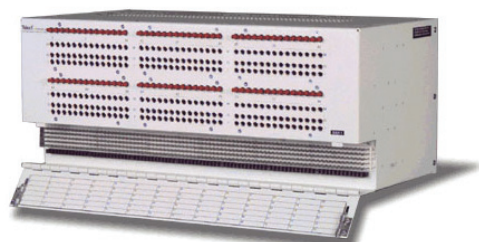
|            |                                                   |
|------------|---------------------------------------------------|
| Dimensions | 23" W x 7" H x 8" D<br>(584 mm x 178 mm x 203 mm) |
| Weight     | 24 lbs. (10.9 kg)                                 |

# DSX-1, Industry-Compatible Panels

## 84 Terminations



84-Term. 1-28 ABC Wire-Wrap DSX-1 Panel  
(010-0184-1002)



84-Term. 1-84 Connectorized DSX-1 Panel  
(010-0184-1003)

Implement in existing racks or networks and maintain office circuit practices.

### Features

- 50 percent greater termination capacity over traditional 19" 56-circuit designs
- Completely industry compatible – implement in existing racks or networks and maintain office circuit practices
- 23" panels are ADC\*-D1M compatible (\*ADC is a registered trademark of ADC Telecommunications)
- 19" products come with reversible mounting brackets for 23" applications
- Wire-wrap or 64-pin female I/O connectors for ease of cabling and maintenance
- Advanced wire management integrated into each configuration
- Rack mounting for EIA/WECO hole spacing supported

### Specifications

|               |                                                  |
|---------------|--------------------------------------------------|
| Dimensions    | 19" W x 7" H x 8" D<br>483 mm x 178 mm x 203 mm) |
| Weight        | 26 lbs. (11.8 kg)                                |
| Rack mounting | EIA/WECO                                         |

### Wire-Wrap Panels

| Description                                  | Part Number   |
|----------------------------------------------|---------------|
| Front cross-connect, designation 1-84, white | 010-0184-1001 |
| Front cross-connect, designation 1-84, black | 010-0184-0001 |
| Front cross-connect, des. 1-28 ABC, white    | 010-0184-1002 |
| Front cross-connect, des. 1-28 ABC, black    | 010-0184-0002 |

### Connectorized Panels

| Description                                  | Part Number   |
|----------------------------------------------|---------------|
| Front cross-connect, designation 1-84, white | 010-0184-1003 |
| Front cross-connect, designation 1-84, black | 010-0184-0003 |
| Rear cross-connect, designation 1-84, black  | 010-2184-1B06 |

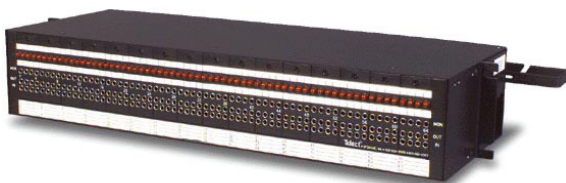
See page C-1 for Bantam jack specifications.

# DSX-1, Traditional Panels

## 56, 64 & 112 Terminations



56-Term. Traditional DSX-1 Panel  
(010-0156-0619)

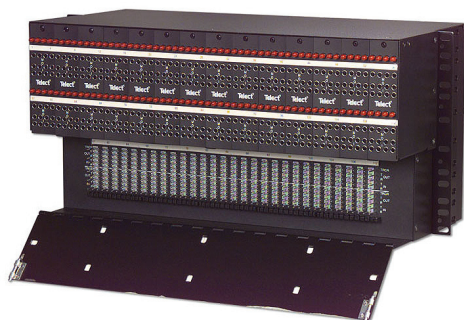


64-Term. Traditional DSX-1 Panel  
(010-2164-1003)

### 56-Termination Panels

| Description                                                                    | Part Number   |
|--------------------------------------------------------------------------------|---------------|
| Front cross-connect, 19", wire-wrap, designation 1-56, black                   | 010-0156-0601 |
| Front cross-connect, 19", connectorized, designation 1-56, black               | 010-0156-0619 |
| Front cross-connect, 19", wire-wrap, designation 1-28 AB, black                | 010-0156-0625 |
| Front cross-connect, 19", connectorized, designation 1-28 AB, black            | 010-0156-0610 |
| Front cross-connect, 19", connectorized, designation 1-28 AB, black, +24V LEDs | 010-0156-0657 |

|            |                                                              |
|------------|--------------------------------------------------------------|
| Dimensions | 19"/23" W x 7" H x 10.5" D<br>(483/584 mm x 178 mm x 267 mm) |
| Weight     | 23 lbs. (10.4 kg)                                            |



112-Term. Traditional DSX-1 Panel  
(010-1120-0201)

Industry-leading reliability, choice and compatability for DS1 connectivity in COs, remote sites, premise sites and demarc applications.

### Features

- Industry-leading range of DSX-1 panel options
- Red flashing LEDs provide instant identification to other DSX cross-connect terminations
- Domino faceplate design simplifies jack access
- Segregated I/O fields and short path wiring help prevent cross-talk
- Telect's Dedicated Digital Jack ensures signal integrity
- Reversible mounting brackets fit 19" and 23" equipment racks, EIA or WECCO

### 64-Termination Panels

| Description                                                  | Part Number   |
|--------------------------------------------------------------|---------------|
| Front cross-connect, 23", wire-wrap, designation 1-64, black | 010-2164-1003 |
| Rear cross-connect, 23", wire-wrap, designation 1-64, black  | 010-0164-1603 |

|            |                                                   |
|------------|---------------------------------------------------|
| Dimensions | 23" W x 4" H x 8" D<br>(483 mm x 102 mm x 204 mm) |
| Weight     | 34 lbs. (15.4 kg)                                 |

### 112-Termination Panels

| Description                | Part Number   |
|----------------------------|---------------|
| Front cross-connect, white | 010-1120-0001 |
| Front cross-connect, black | 010-1120-0201 |

|            |                                                       |
|------------|-------------------------------------------------------|
| Dimensions | 19" W x 8.75" H x 11" D<br>(483 mm x 222 mm x 279 mm) |
| Weight     | 34 lbs. (15.4 kg)                                     |

Telect's 112-termination DSX is the highest-density DSX-1 panel in the industry today.



# DSX-1, Traditional Panels

## Low Circuit Count/Rack-Mount, 28 or 32 Terminations



28-Term. 2 RU Traditional DSX-1 Panel  
(010-0128-0101)



28-Term. 1 RU Low-Profile DSX-1 Panel  
(010-0128-0001)

Ideal for limited-space or lower-capacity applications, network edge locations, remote sites, huts and CEVs.

### Features

- Innovative 1 RU/28-termination panel optimized for use as a MUX interface or in wireless applications
- Additional configurations are a perfect fit for low circuit count applications
- All panels feature patented Dedicated Digital Jacks™ and a lifetime warranty
- Rack mounting for EIA/WECO hole spacing supported

### 28-Term. and 32-Term. Panels

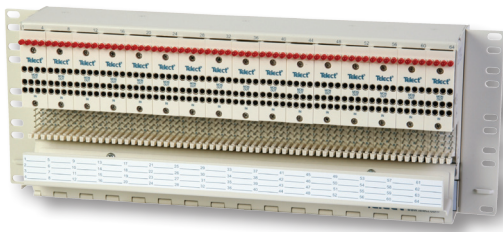
| Description                                                            | Dimensions                                                                | Part Number   |
|------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|
| 28-term. 1 RU low-profile panel, white                                 | 19" W x 1.75" H x 8" D<br>(483 mm x 45 mm x 203 mm)<br>11 lbs. (5 kg)     | 010-0128-0001 |
| 28-term. 2 RU traditional panel, wire-wrap, black                      | 19" W x 3.5" H x 10.1" D<br>(483 mm x 89 mm x 255 mm)<br>15 lbs. (6.8 kg) | 010-0128-0101 |
| 28-term. 2 RU traditional panel, connectorized, black                  | 19" W x 3.5" H x 10.1" D<br>(483 mm x 89 mm x 255 mm)<br>16 lbs. (7.2 kg) | 010-0128-0115 |
| 28-term. 2 RU traditional panel, wire-wrap, black, +24V LEDs           | 19" W x 3.5" H x 10.1" D<br>(483 mm x 89 mm x 255 mm)<br>15 lbs. (6.8 kg) | 010-0128-0127 |
| 32-term. 2 RU traditional panel, wire-wrap, black                      | 19" W x 3.5" H x 10.5" D<br>(483 mm x 89 mm x 267 mm)<br>15 lbs. (6.8 kg) | 010-0132-0101 |
| 32-term. 2 RU traditional panel, connectorized, black                  | 19" W x 3.5" H x 10.5" D<br>(483 mm x 89 mm x 267 mm)<br>15 lbs. (6.8 kg) | 010-0132-0104 |
| 32-term. 2 RU traditional panel, wire-wrap, black, designation 1-16 AB | 19" W x 3.5" H x 10.5" D<br>(483 mm x 89 mm x 267 mm)<br>15 lbs. (6.8 kg) | 010-0132-0132 |

# DSX-1, Wall-Mount/Total Front Access Panels

## 8, 12, 64 or 84 Terminations



8-Term. Wall-Mount DSX-1 Panel  
(010-5008-0001)



64-Term. TFA Loaded DSX-1 Panel  
(010-4264-0001RE)

Engineered specifically for huts, CEVs, backboards, and other limited-space applications.

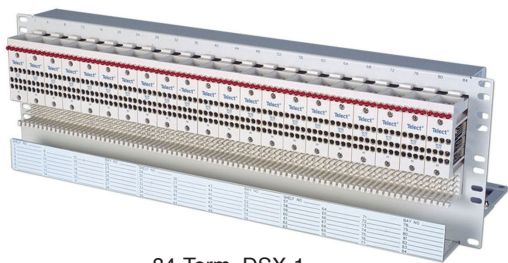
- All connections located on the front of the panel for simple access in wall-mount or limited-space applications
- Compact footprint to maximize space
- Ideal for network edge or low circuit count applications
- All panels feature patented Dedicated Digital Jacks™ and a lifetime warranty
- Rack mounting for EIA/WECO hole spacing supported

### Wall-Mount Panels, Total Front Access

| Description                          | Dimensions                                                                  | Part Number     |
|--------------------------------------|-----------------------------------------------------------------------------|-----------------|
| 8-term., black                       | 7.5" W x 5.25" H x 4.87" D<br>(191 mm x 133 mm x 124 mm)<br>4 lbs. (1.8 kg) | 010-5008-0001   |
| 12-term., black                      | 7.5" W x 5.25" H x 4.12" D<br>(191 mm x 133 mm x 105 mm)<br>7 lbs. (3.2 kg) | 010-5012-0001   |
| 12-term. black, +24V                 | 7.5" W x 5.25" H x 4.87" D<br>(191 mm x 133 mm x 124 mm)<br>5 lbs. (2.3 kg) | 010-5012-0003   |
| 64-term./7" total front access panel | 19" W x 7" H x 5.3" D<br>(483 mm x 178 mm x 135 mm)<br>21 lbs. (9.1 kg)     | 010-4264-0001RE |
| 84-term./7" total front access panel | 23" W x 7" H x 5.3" D<br>(584 mm x 178 mm x 135 mm)<br>21 lbs. (9.1 kg)     | 010-4284-0001RE |

# DSX-1, Loaded 4000 Series/TeleMIX™ Panels

## Up to 84 Terminations



84-Term. DSX-1  
(010-4084-4011)

Telect's loaded 4000 Series/TeleMIX panels provide a high-density platform for basic T1 connectivity, with removable modules for simple maintenance.

### Features

- Versatile, fully-configurable platform for signal management in a variety of front cross-connect or wall-mount chassis
- Choose loaded DSX-1 panels for high-density connectivity
- Modular systems enable cost deferral and customization—purchase connectivity modules when circuits are ready to earn revenue
- Individual modules snap into chassis and connect immediately to power for quick start-up
- DSX-1 modules utilize Telect's patented Dedicated Digital Jacks™ for a lifetime of reliable connections
- Rack mounting for EIA/WECO hole spacing supported

### Loaded DSX-1 Panels

| Description                               | Dimensions                                                                 | Part Number   |
|-------------------------------------------|----------------------------------------------------------------------------|---------------|
| 84-term./7" panel                         | 23" W x 7" H x 8.3" D<br>(584 mm x 178 mm x 211 mm)<br>26 lbs. (11.8 kg)   | 010-4084-4011 |
| 56-term./5.25" panel                      | 19" W x 5.25" H x 8.3" D<br>(483 mm x 133 mm x 211 mm)<br>18 lbs. (8.2 kg) | 010-4056-4006 |
| 64-term./5.25" panel                      | 19" W x 5.25" H x 8.3" D<br>(483 mm x 133 mm x 211 mm)<br>19 lbs. (8.6 kg) | 010-4064-4000 |
| 64-term./7" panel                         | 19" W x 7" H x 8.3" D<br>(483 mm x 178 mm x 211 mm)<br>20 lbs. (9.1 kg)    | 010-4064-4010 |
| 84-term./7" panel, with rear tie-down bar | 23" W x 7" H x 8.3" D<br>(584 mm x 178 mm x 211 mm)<br>26 lbs. (11.8 kg)   | 010-4084-4012 |

# E1 DSX, Modular Panels (SuperMIX™)

## Up to 64 Terminations



56-term./14-module chassis  
(010-000-2709)



RJ48C I/O, wire-wrap cross-connect  
(010-2704-1800)

A modular platform for enhanced E1 connectivity, with options to fit the application.

### Features

- Patch, monitor and cross-connect E1 circuits
- Chassis available in 58.42 cm (23") and 48.26 cm (19") sizes, up to 64 terminations
- Individual modules snap into chassis for instant power connection
- Jacks accept all Bantam-style single and dual patch cords and accessories
- Modules have configurable backplanes that accommodate any type of switch and MUX coaxial output
- Design enables you to add modules as your application grows
- Rack mounting for EIA/WECO/ETSI hole spacing supported

### Chassis

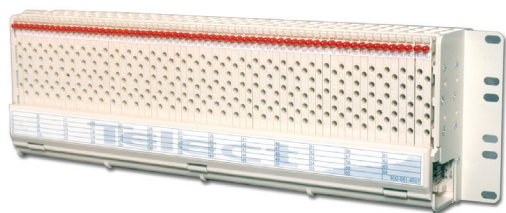
| Description                                                     | Dimensions                                                                  | Part Number   |
|-----------------------------------------------------------------|-----------------------------------------------------------------------------|---------------|
| 56-term./14-module chassis<br>With 10 cm cable management rings | 19" W x 5.25" H x 9.45" D<br>(483 mm x 133 mm x 240 mm)<br>11 lbs. (5.0 kg) | 010-0000-2709 |
| 56-term./14-module chassis                                      | 19" W x 5.25" H x 9.45" D<br>(483 mm x 133 mm x 240 mm)<br>11 lbs. (5.0 kg) | 010-0000-2702 |
| 64-term./16-module chassis                                      | 23" W x 5.25" H x 9.45" D<br>(584 mm x 133 mm x 240 mm)<br>11 lbs. (5.0 kg) | 010-0000-2701 |

### 4-Termination Front Cross-Connect Modules

| Description                            | Part Number     |
|----------------------------------------|-----------------|
| Wire-wrap I/O, wire-wrap cross-connect | 010-2704-1100RE |
| BNC I/O, wire-wrap cross-connect       | 010-2704-1200RE |
| RJ48C I/O, wire-wrap cross-connect     | 010-2704-1800RE |

# E1 DSX, Non-Modular Panels

## 64 Terminations



64-term. front cross-connect, wire-wrap I/O  
(E64-5001-1100RE)

| Description                                 | Part Number     |
|---------------------------------------------|-----------------|
| 64-term. front cross-connect, wire-wrap I/O | E64-5001-1100RE |
| 64-term. front cross-connect, BNC I/O       | E64-5001-1200RE |

See page C-1 for Bantam  
jack specifications.

Dual monitor E1 solutions provide simple, effective and versatile connectivity.

### Features

- Bi-directional jacks allow technicians to access both directions of the signal from one location
- Four-port design enables simple E1 signal monitoring
- Injection-molded jacks and patented straight-leaf design ensure a guaranteed lifetime of reliable connections
- Removable single-circuit jack design lets you access individual circuits without impacting other terminations
- BNC or wire-wrap I/O fields available for 64-termination panels (75 or 120 ohm)

### Specifications

|               |                                                     |
|---------------|-----------------------------------------------------|
| Dimensions    | 19" W x 5.25" H x 5" D<br>483 mm x 133 mm x 203 mm) |
| Weight        | 12.8 lbs. (5.8 kg)                                  |
| Rack mounting | EIA/WECO                                            |

# E1/T1 DSX-1, Modular Panels (DSneXt)

## Up to 84 Terminations



DNX BACKPLANES  
(RJ48, BNC, IDC, WW)

DSneXt provides a consolidated, fully configurable solution for copper connectivity.

### Features

- Flexible design allows you to add modules as your network grows
- With three different front cross-connects (WW, IDC, and RJ48) and four different backplanes (WW, IDC, RJ48, and BNC) available, the modules are fully customizable
- Provides superior jack performance; the rigidity and strength of Telect's patented, die-cast jacks out-perform competitors' molded plastic jacks
- Dual monitor ports allow access to both ends of the circuit
- Provides a multiple interface point for testing, patching, monitoring, and cross-connecting E1/T1 circuits with a 4-port bantam jack
- Cuts costs and maintenance time through cable and space management
- DSneXt consolidates three product lines (E64, E84, and Supermix) into one solution
- Chassis are available in 58.42 cm (23") and 48.26 cm (19") sizes, providing for 56, 64, or 84 terminations
- NEBS Certified

### Specifications

| Connections              |                                                                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jack type                | E1/T1 Standard Bantam                                                                                                                                              |
| Environmental            |                                                                                                                                                                    |
| Salt spray               | Per MIL-STD-202F, method 101D                                                                                                                                      |
| Moisture resistance      | Per MIL-STD-202F, method 106E                                                                                                                                      |
| Thermal limits           | -40 to 65° C operating<br>-55 to 85° C non-operating                                                                                                               |
| Thermal shock            | Per MIL-STD-202, method 107D                                                                                                                                       |
| Humidity                 | 0 to 95% operating and non-operating                                                                                                                               |
| Electrical T1            |                                                                                                                                                                    |
| Insertion loss           | < -0.5 dB (at 1.576 MHz)                                                                                                                                           |
| Crosstalk                | < -60 dB                                                                                                                                                           |
| Return loss              | < -26 dB at 772 kHz                                                                                                                                                |
| Contact resistance       | < 0.01 ohms                                                                                                                                                        |
| Characteristic impedance | Standard DSX-1 Products: 100 ohms                                                                                                                                  |
| Monitor level            | -20dB (±1.5dB)                                                                                                                                                     |
| Electrical E1            |                                                                                                                                                                    |
| Insertion loss           | BNC: 0.7 dB at 1.024 MHz Wire-wrap: 0.1 dB at 1.024 MHz                                                                                                            |
| Crosstalk                | BNC: Adjacent channel -70 dB at 1.024 MHz; inter-channel -70 dB at 1.024 MHz<br>Wire-wrap: Adjacent channel -60 dB at 1.024 MHz; inter-channel -70 dB at 1.024 MHz |
| Return loss              | BNC: -20 dB at 1.024 MHz Wire-wrap: -30 dB at 1.024 MHz                                                                                                            |
| Monitor level            | -20dB (±1.5dB)                                                                                                                                                     |
| Mechanical               |                                                                                                                                                                    |
| Insertion force          | 4.17 lb (1.9 kg) average                                                                                                                                           |
| Withdrawal force         | 5.21 lb (2.4 kg) average                                                                                                                                           |
| Life                     | Minimum 20,000 insertion/withdrawal cycles                                                                                                                         |



DNX-9423 Module



# E1/T1 DSX-1, Modular Panels (DSneXt)

## Up to 84 Terminations

### Modules

| Description                                     | Part Number |
|-------------------------------------------------|-------------|
| DSX1: MOD, DNX, DM, IDC FXC E1, BNC, I/O        | DNX-9401    |
| DSX1: MOD, DNX, DM, IDC FXC E1, IDC, I/O        | DNX-9402    |
| DSX1: MOD, DNX, DM, IDC FXC E1, RJ48, I/O       | DNX-9403    |
| DSX1: MOD, DNX, DM, IDC FXC E1, WW, I/O         | DNX-9404    |
| DSX1: MOD, DNX, DM, RJ48 FXC E1, BNC, I/O       | DNX-9411    |
| DSX1: MOD, DNX, DM, RJ48 FXC E1, IDC, I/O       | DNX-9412    |
| DSX1: MOD, DNX, DM, RJ48 FXC E1, RJ48, I/O      | DNX-9413    |
| DSX1: MOD, DNX, DM, RJ48 FXC E1, WW, I/O        | DNX-9414    |
| DSX1: MOD, DNX, DM, WW FXC E1, IDC, I/O         | DNX-9421    |
| DSX1: MOD, DNX, DM, WW FXC E1, RJ48, I/O        | DNX-9422    |
| DSX1: MOD, DNX, DM, WW FXC E1, BNC, I/O         | DNX-9423    |
| DSX1: MOD, DNX, DM, WW FXC E1, WW, I/O          | DNX-9424    |
| DSX1: MOD, DNX, DM, WW FXC E1, WW, I/O Soldered | DNX-9424F   |
| DSX1: MOD, DNX, SM, IDC FXC E1, BNC, I/O        | DNX-9301    |
| DSX1: MOD, DNX, SM, IDC FXC E1, IDC, I/O        | DNX-9302    |
| DSX1: MOD, DNX, SM, IDC FXC E1, RJ48, I/O       | DNX-9303    |
| DSX1: MOD, DNX, SM, IDC FXC E1, WW, I/O         | DNX-9304    |
| DSX1: MOD, DNX, SM, RJ48 FXC E1, BNC, I/O       | DNX-9311    |
| DSX1: MOD, DNX, SM, RJ48 FXC E1, IDC, I/O       | DNX-9312    |
| DSX1: MOD, DNX, SM, RJ48 FXC E1, RJ48, I/O      | DNX-9313    |
| DSX1: MOD, DNX, SM, RJ48 FXC E1, WW, I/O        | DNX-9314    |
| DSX1: MOD, DNX, SM, WW FXC E1, IDC, I/O         | DNX-9321    |
| DSX1: MOD, DNX, SM, WW FXC E1, RJ48, I/O        | DNX-9322    |
| DSX1: MOD, DNX, SM, WW FXC E1, BNC, I/O         | DNX-9323    |
| DSX1: MOD, DNX, SM, WW FXC E1, WW, I/O          | DNX-9324    |
| DSX1: MOD, DNX, SM, WW FXC E1, IDC, I/O         | DNX-9321    |
| DSX1: MOD, DNX, SM, WW FXC E1, WW, I/O Soldered | DNX-9324F   |

**DNX** – Designates DSneXt

**DNX-9** – Designates Module

**DNX-X4** – Designates Monitor (# of ports)

4 = Dual (4 ports)

3 = Single (3 ports)

**DNX-XX0** – Designates Front Cross Connect

0 = Insulation Displacement Connection (IDC)

1 = RJ48

2 = WW

**DNX-XXX1** – Designates Input/Output

1 = BNC

2 = Insulation Displacement Connection (IDC)

3 = RJ48

4 = Wire Wrapped

**DNX-XXXXF** – Designates Fixed Jacks

### Chassis

| Description                      | Part Number |
|----------------------------------|-------------|
| DSX1: CHS, DNX, FXC, 19x5.25     | DNX-1319    |
| DSX1: CHS BOT, DNX, FXC, 19x5.25 | DNX-1319B   |
| DSX1: CHS, DNX, FXC, 23x5.25     | DNX-1323    |
| DSX1: CHS BOT, DNX, FXC, 23x5.25 | DNX-1323B   |
| DSX1: CHS, DNX, FXC, 19x7        | DNX-1419    |
| DSX1: CHS BOT, DNX, FXC, 19x7    | DNX-1419B   |
| DSX1: CHS, DNX, FXC, 23x7        | DNX-1423    |
| DSX1: CHS BOT, DNX, FXC, 23x7    | DNX-1423B   |
| DSX1: CHS, DNX, FXC, 19x6        | DNX-1619    |
| DSX1: CHS BOT, DNX, FXC, 19x6    | DNX-1619B   |
| DSX1: CHS, DNX, FXC, 23x6        | DNX-1623    |
| DSX1: CHS BOT, DNX, FXC, 23x6    | DNX-1623B   |

**DNX** – Designates DSneXt

**DNX-1** – Designates Chassis

**DNX-X3** – Designates Equipment Height

3 = 3 RU (5.25 inches)

4 = 4 RU (7 inches)

6 = 6 inches

0 = No bottom Tray

**DNX-XX19** – Designates Rack Width

19 = 19 inches

23 = 23 inches

**DNX-XXXXT** – Designates Individual Chassis Component

Leave Blank For Full Chassis

T = Top of Chassis

B = Bottom of Chassis

### Accessories

| Description                                | Part Number   |
|--------------------------------------------|---------------|
| DSX1: CHS DNX, FXC, TIEBAR, 19"            | DNX-TB19      |
| DSX1: CHS DNX, FXC, RINGS, 19"             | DNX-RS19      |
| DSX1: CHS DNX, FXC, FANNING STRIPS, 19"    | DNX-FS19      |
| DSX1: CHS DNX, FXC, TIEBAR, 23"            | DNX-TB23      |
| DSX1: CHS DNX, FXC, RINGS, 23"             | DNX-RS23      |
| DSX1: CHS DNX, FXC, FANNING STRIPS, 23"    | DNX-FS23      |
| Single Blue Nickel Bantam patch cords      | 040-1000-XXX  |
| Dual Blue Nickel Bantam patch cords        | 040-2000-XXX  |
| Bantam looping plugs                       | 040-3000-0000 |
| 5-conductor cross-connect wire, 1000' reel | 060115RC      |

**DNX-XXXX** – Designates DSneXt

**DNX-XXXX** – Designates Accessory

TB = Tie Bar

RS = Rings

FS = Fanning Strips

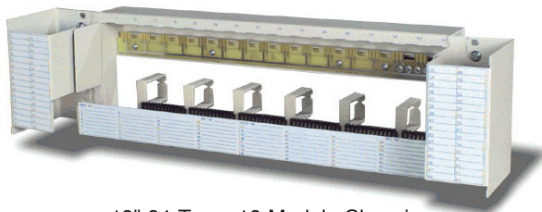
**DNX-XX19** – Designates Rack Width

19 = 19 inches

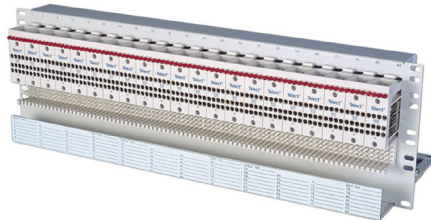
23 = 23 inches

# Multifunctional Systems, TeleMIX™, 3 RU & 4 RU

## DSX-1, DSX-3 & Fiber Optic



19" 64-Term. 16-Module Chassis  
(010-0000-4000)



(010-4084-4011)

Ideal for low circuit counts and dynamic environments – DS3, DS1, fiber, power, E1 in a single system.

### Features

- Variety of compact chassis and modules that include DSX-1, DSX-3, power distribution and more
- Modular platform enables cost deferral and customization—purchase connectivity modules when circuits are ready to earn revenue
- Individual modules snap into chassis and connect immediately to power for quick start-up
- DSX-1 modules utilize Telect's patented Dedicated Digital Jacks™ for a lifetime of reliable connections
- Rack mounting for EIA/WEKO hole spacing supported

### Chassis

| Description |                                       | Dimensions                                             | Weight           | Part Number   |
|-------------|---------------------------------------|--------------------------------------------------------|------------------|---------------|
| 19-Inch     | 56-term./14 module                    | 19" W x 5.25" H x 8.5" D<br>(483 mm x 133 mm x 216 mm) | 8 lbs. (3.6 kg)  | 010-0000-4006 |
|             | 56-term./14-module                    | 19" W x 7" H x 8.5" D<br>(483 mm x 178 mm x 216 mm)    | 10 lbs. (4.5 kg) | 010-0000-4016 |
|             | 64-term./16-module                    | 19" W x 5.25" H x 8.3" D<br>(483 mm x 133 mm x 211 mm) | 8 lbs. (3.6 kg)  | 010-0000-4000 |
|             | 64-term./16-module                    | 19" W x 7" H x 8.3" D<br>(483 mm x 178 mm x 211 mm)    | 8 lbs. (3.6 kg)  | 010-0000-4010 |
| 23-Inch     | 84-term./21-module                    | 23" W x 5.25" H x 8.3" D<br>(584 mm x 133 mm x 211 mm) | 10 lbs. (4.5 kg) | 010-0000-4001 |
|             | 84-term./21-module                    | 23" W x 7" H x 8.3" D<br>(584 mm x 178 mm x 211 mm)    | 10 lbs. (4.5 kg) | 010-0000-4011 |
|             | 84-term./21-module, with tie-down bar | 23" W x 7" H x 8.3" D<br>(584 mm x 178 mm x 211 mm)    | 10 lbs. (4.5 kg) | 010-0000-4012 |
| Wall-Mount  | 8-term./2-module                      | 2.1" W x 5" H x 3" D<br>(53 mm x 127 mm x 76 mm)       | 3 lbs. (2 kg)    | 010-0000-4030 |
|             | 36-term./9-module                     | 11" W x 7" H x 6" D<br>(279 mm x 178 mm x 152 mm)      | 4 lbs. (1.8 kg)  | 010-0000-4020 |

### Modules

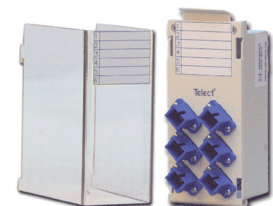
| Description                                      | Part Number     |
|--------------------------------------------------|-----------------|
| 4-term. DSX-1                                    | 010-4004-0000   |
| 4-term. DSX-1, +24V red LEDs                     | 010-4004-0002   |
| 4-term. E1 DSX                                   | 010-4004-E100RE |
| 4-term. DSX-1 interconnect module, RJ48C I/O     | 010-7108-0001   |
| 1-term. DSX-3 module, mini-WECO jacks, rear BNCs | 010-9401-0401   |
| 6-position GMT fuse module, +24V/-48V, 40A       | 009-4000-0001   |
| 6-port single mode SC fiber patch module         | 015-4000-6010   |
| 6-port single mode ST fiber patch module         | 015-4000-3010   |
| Blank faceplate                                  | 101663-1        |



(010-4004-0000)



(009-4000-0001)



(015-4000-6010)

# Multifunctional Systems, ELF, 1 RU

## DSX-1, DSX-3, Ethernet & Fiber Optic



In lower-capacity applications, multifunctional panels enable the management of multiple signal types in a single compact unit.



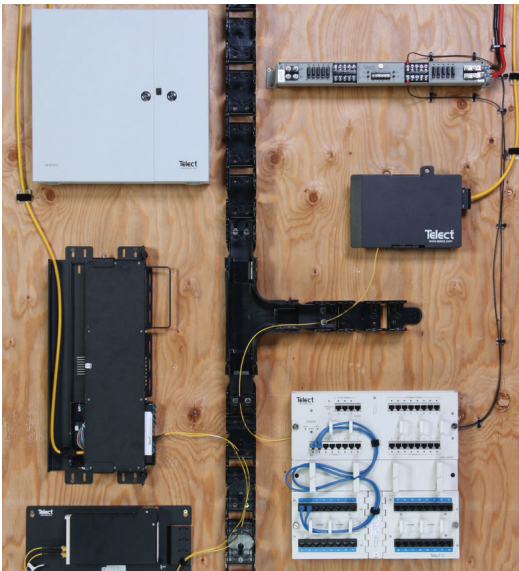
3-Module 1 RU Chassis (ELF-0000-2400)

### Features

- Designed to function in edge locations such as cell towers and remote sites
- Flexible platform for T1, T3, Ethernet and fiber optic management, all in just 1.75" of vertical space
- Termination capacities: up to 24 DSX-1, six DSX-3 or 48 fiber or RJ patch
- 1 RU chassis holds three modules; EIA/WECO mounting
- One-module total front access wall-mount bracket is ideal for lower-capacity applications

### Chassis

| Description                                   | Dimensions                                                             | Part Number   |
|-----------------------------------------------|------------------------------------------------------------------------|---------------|
| 3-module 1 RU chassis                         | 19" W x 1.75" H x 5" D<br>(483 mm x 45 mm x 127 mm)<br>5 lbs. (2.3 kg) | ELF-0000-2400 |
| 1-module wall-mount chassis                   | 6" W x 1.75" H x 4" D<br>(152 mm x 45 mm x 102 mm)                     | ELF-0000-0600 |
| 1-module wall-mount chassis for TFA DSX-3     | 6" W x 1.75" H x 4" D<br>(152 mm x 45 mm x 102 mm)                     | ELF-0000-0700 |
| 1-module wall-mount chassis for fiber modules | 9.3" W x 2.3" H x 6" D<br>236 mm x 58 mm x 155 mm)                     | ELF-0000-0800 |
| 3-module 1 RU wall-mount bracket              | 19.77" W x 2.03" H x 8" D<br>(502 mm x 52 mm x 203 mm)                 | ELF-0000-0900 |



# Multifunctional Systems, ELF, 1 RU

## DSX-1, DSX-3, Ethernet & Fiber Optic



8-Term. DSX-1 Module  
(ELF-1008-1200)



4-Term. DNI-1, RJ45, Total front access  
(ELF-3004-1800)

### T1 Modules

| Description                                      | Part Number   |
|--------------------------------------------------|---------------|
| 8-term. DSX-1, wire-wrap cross-connect, BNC I/O  | ELF-1008-1200 |
| 8-term. DSX-1, wire-wrap cross-connect, RJ45 I/O | ELF-1008-1800 |
| 8-term. DSX-1, wire-wrap cross-connect & I/O     | ELF-1008-1100 |
| 6-term. DSX-1, total front access                | ELF-3006-1100 |
| 6-term. DSX-1, RJ48 I/O                          | ELF-3006-1800 |
| 48-pin VF block                                  | ELF-0005-0001 |



2-Term. DSX-3 Module  
(ELF-3206-1200)

### T3 Modules

| Description                              | Part Number   |
|------------------------------------------|---------------|
| 2-term. DSX-3, 6-port rear cross-connect | ELF-3206-1200 |
| 1-term. DSX-3, total front access        | ELF-3206-1900 |



16-Term. Cat 5e Patch Module  
(ELF-9716-1700)

### Ethernet Modules

| Description                             | Part Number   |
|-----------------------------------------|---------------|
| 16-term. Cat 5e patch module, RJ45-IDC  | ELF-9716-1700 |
| 16-term. RJ-RJ T1/Ethernet patch module | ELF-9716-1900 |
| 8-term. Cat 6 patch module, RJ45-IDC    | ELF-9716-2300 |

### Interconnect Modules

| Description                             | Part Number   |
|-----------------------------------------|---------------|
| 4-term. DNI-1, RJ48C/wire-wrap          | ELF-9704-1119 |
| 4-term. DNI-1, RJ45, total front access | ELF-3004-1800 |



12 Fiber SC/UPC Patch & Splice  
Module (ELF-SP12-SCPT)

### Optical Modules

| Terminations | Function       | Connectors | Part Number   |
|--------------|----------------|------------|---------------|
| 12           | Patch          | SC/UPC     | ELF-PC12-SC00 |
| 12           | Patch & Splice | SC/UPC     | ELF-SP12-SCPT |
| 12           | Patch          | FC/UPC     | ELF-PC12-FC00 |
| 12           | Patch & Splice | FC/UPC     | ELF-SP12-FCPT |
| 24           | Patch          | LC/UPC     | ELF-PC24-LC00 |



# T1/DS1 Backhaul Demarcation Panels

## 28 Terminations, RJ Connectors



28-Term. RJ48C Panel  
(097-0128-0007)



28-Term. RJ48X Panel  
(097-0128-0006)

The simple, versatile solution for T1 backhaul, demarcation, testing and troubleshooting.

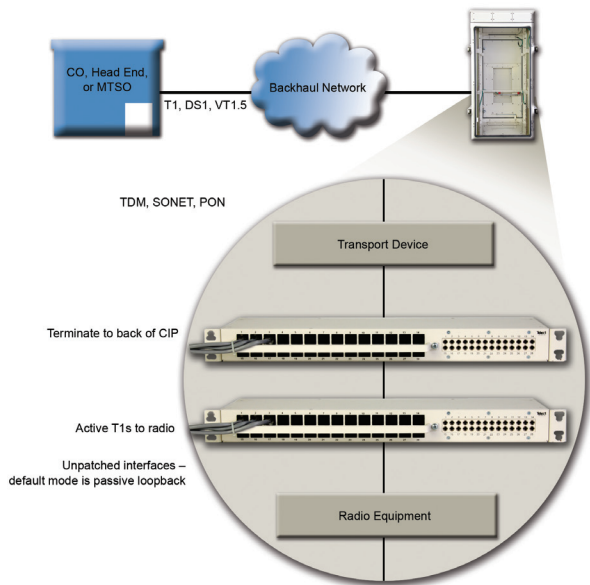
### Features

- Save valuable space in crowded demarcation applications with 28 terminations in just 1 RU
- Bantam ports provide T1 termination monitoring
- I/O termination options include RJ48X or RJ48C connectors on front (with or without shorting bar)
  - » RJ48X connectors provide automatic loopback of signal when plug is removed
  - » RJ48C connectors provide ease of installation and changes to network
- 64-pin female connectorization enables rapid deployment and simple usage
- Cable management integrated into the panel
- Completely enclosed chassis provides robust protection for connections
- Rack mounting for EIA/WECO hole spacing supported

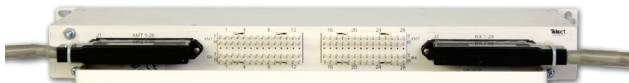
| Description                                   | Dimensions                                                              | Part Number   |
|-----------------------------------------------|-------------------------------------------------------------------------|---------------|
| 28-term. RJ48X panel                          | 19" W x 1.7" H x 5.9" D<br>(483 mm x 43 mm x 15 mm)<br>10 lbs. (4.5 kg) | 097-0128-0006 |
| 28-term. RJ48C panel                          |                                                                         | 097-0128-0007 |
| 28-term. RJ48C panel, internal cross-connects |                                                                         | 097-0128-0008 |
| 28-term. RJ48X to wire-wrap I/O panel         |                                                                         | 097-0128-0013 |
| 28-term. RJ48X to 64-pin Amp connectors       |                                                                         | 097-0128-0014 |
| 28-term. RJ48C to wire-wrap I/O panel         |                                                                         | 097-0128-0015 |
| 28-term. RJ48C to 64-pin Amp connectors       |                                                                         | 097-0128-0016 |

See page C-35 for associated cable assemblies.

The simple solution for T1 backhaul testing – see Telect.com for an application note.



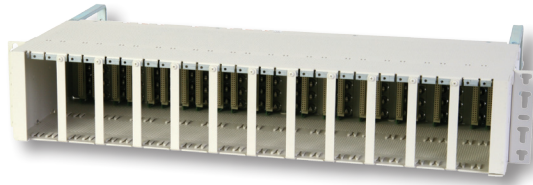
(097-0128-0006)  
Front



(097-0128-0006)  
Rear

# DSX-3, BCS II

## Up to 32 Terminations, DSX + Active



23" 24-Position DSX-3 Chassis  
(010-0000-1401BCS)

### Chassis

| Description                             | Part Number      |
|-----------------------------------------|------------------|
| 23"/24-position chassis                 | 010-0000-1401BCS |
| 19"/24-position chassis                 | 010-0000-2401BCS |
| 23"/32-position chassis                 | 010-0000-3201BCS |
| 19"/8-position horizontal 1 RU chassis  | 010-0000-0471BCS |
| 23"/10-position horizontal 1 RU chassis | 010-0000-1471BCS |

### DSX-3 Modules

| Description             | Part Number   |
|-------------------------|---------------|
| 6-port, mini-WECO jacks | 010-3201-0410 |
| 4-port, mini-WECO jacks | 010-3201-0401 |
| 3-port, mini-WECO jacks | 010-3201-0407 |

### DSX-3 Panels with Modules

| Terminations                         | Part Number   |
|--------------------------------------|---------------|
| 32-term./23" chassis, 6-port modules | 010-3232-0001 |
| 32-term./23" chassis, 4-port modules | 010-3232-0002 |
| 32-term./23" chassis, 3-port modules | 010-3232-0003 |
| 24-term./23" chassis, 6-port modules | 010-3224-0001 |
| 24-term./23" chassis, 4-port modules | 010-3224-0002 |
| 24-term./23" chassis, 3-port modules | 010-3224-0003 |
| 24-term./19" chassis, 6-port modules | 010-3224-1901 |
| 24-term./19" chassis, 4-port modules | 010-3224-1902 |
| 24-term./19" chassis, 3-port modules | 010-3224-1903 |

**DS3 and Ethernet extension modules also fit the BCS II chassis! See page C-26 for optical-electrical converters.**

**High-density DS3 connectivity with active repeater and extension module options.**

### Features

- Traditional DSX-3 connectivity and versatile active functionality (repeaters, optical transport) in a single space-saving chassis
- Up to 32 terminations in a standard 4" high chassis
- 1 RU horizontal chassis provides up to 10 terminations in just 1.75" for ultra-high density
- PCB technology increases reliability and decreases overall weight
- Pre-wireable backplane lets you cable equipment to the chassis before installing modules and defer costs until circuits are required
- Rack mounting for EIA/WECO hole spacing supported

### Specifications

| Traditional |                                                             |
|-------------|-------------------------------------------------------------|
| Dimensions  | 19"/23" W x 4" H x 12" D<br>(483/584 mm x 102 mm x 305 mm)  |
| Weight      | 16 lbs. (7.3 kg)                                            |
| Horizontal  |                                                             |
| Dimensions  | 19"/23" W x 1.75" H x 8" D<br>(483/584 mm x 45 mm x 203 mm) |
| Weight      | 11 lbs. (5 kg)                                              |



6-Port DSX-3 BCSII Module  
(010-3201-0410)



Repeater Module  
(710-3201-0005)

### Repeater Modules

| Description             | Part Number   |
|-------------------------|---------------|
| Simplex repeater module | 710-3201-0002 |
| Duplex repeater module  | 710-3201-0005 |

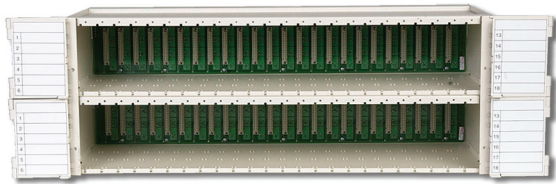
### Interconnect System (Internal Cross-Connects)

| Description                    | Part Number      |
|--------------------------------|------------------|
| 23"/32-position chassis        | 010-0000-1402BCS |
| 6-port module, mini-WECO jacks | 010-3201-0402    |
| 24-term./19" loaded panel      | 010-3224-0402    |
| 32-term./23" loaded panel      | 010-3232-1402    |



# DSX-3, BCS

## Up to 24 Terminations, DSX + Active



23"/48Position Chassis  
(010-0000-1448)



6-Port DSX-3 Module  
(010-8401-0410)



Duplex Repeater Module  
(710-8401-0005)

Telect's BCS combines the traditional network management advantages of a DSX with unique active functionality.

### Features

- Up to 24 terminations in just 4" of vertical rack space
- 1 RU horizontal chassis provides up to 10 terminations in just 1.75" for ultra-high density
- DSX-3 module options include 3-port, 4-port and 6-port
- Repeater and amplifier modules also available for signal extension in the same chassis
- Patented PCB technology minimizes impedance variance common to coax systems
- Pre-wireable backplane lets you cable equipment to the chassis before installing modules and defer costs until circuits are required
- Rack mounting for EIA/WECO hole spacing supported

### Chassis

| Description                             | Part Number   |
|-----------------------------------------|---------------|
| 23"/24-position chassis                 | 010-0000-1401 |
| 23"/10-position horizontal 1 RU chassis | 010-0000-1471 |
| 23"/48-position chassis                 | 010-0000-1448 |
| 19"/18-position chassis                 | 010-0000-0401 |
| 19"/8-position horizontal 1 RU chassis  | 010-0000-0471 |

### DSX-3 Modules

| Description                 | Part Number   |
|-----------------------------|---------------|
| 6-port, mini-WECO jacks     | 010-8401-0410 |
| 4-port, mini-WECO jacks     | 010-8401-0401 |
| 4-port, standard WECO jacks | 010-8411-0401 |
| 3-port, mini-WECO jacks     | 010-8401-0407 |
| 3-port, standard WECO jacks | 010-8411-0407 |

### Loaded DSX-3 Panel

| Description                          | Part Number   |
|--------------------------------------|---------------|
| 24-term./23" chassis, 6-port modules | 010-8424-0005 |

### Active Modules

| Description             | Part Number   |
|-------------------------|---------------|
| Simplex repeater module | 710-8401-0002 |
| Duplex repeater module  | 710-8401-0005 |

### Front Cross-Connect DSX-3 System

| Description                    | Part Number   |
|--------------------------------|---------------|
| 3-port module, mini-WECO jacks | 010-8401-0460 |
| 23"/48-position chassis        | 010-0000-1460 |

### Specifications

| Traditional |                                                             |
|-------------|-------------------------------------------------------------|
| Dimensions  | 19"/23" W x 4" H x 12" D<br>(483/584 mm x 102 mm x 305 mm)  |
| Weight      | 14 lbs. (6.4 kg)                                            |
| Horizontal  |                                                             |
| Dimensions  | 19"/23" W x 1.75" H x 8" D<br>(483/584 mm x 45 mm x 203 mm) |
| Weight      | 9 lbs. (4.1 kg)                                             |

### Interconnect System (internal cross-connects)

| Description                          | Part Number   |
|--------------------------------------|---------------|
| 23"/24-position chassis              | 010-0000-1402 |
| Interconnect module, mini-WECO jacks | 010-8401-0402 |

### Additional Items

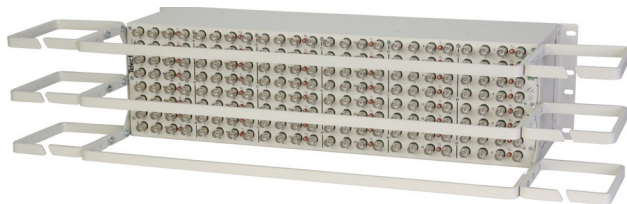
| Description            | Part Number   |
|------------------------|---------------|
| Blank faceplate        | 010-8400-0000 |
| Cross-connect ring kit | 999-8400-0003 |
| Designation holders    | 999-8400-0008 |

# DSX-3, BCS HD

## 24, 32 & 48 Terminations, DSX Only



Loaded 48-term Panel, front  
(010-4801-4848)



Loaded 48-term Panel, rear  
(010-4801-4848)



(010-4801-0410)



(010-4801-0401)



(010-4801-0407)



Blue LEDs increase visibility in a bay.

The highest-density DSX-3 system available today!

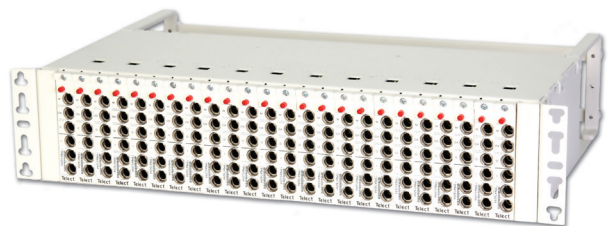
### Features

- Industry-leading density: 48 DS3 positions in an ultra compact 6" high x 23" wide footprint
- Standard cabling practices can be used
- PCB technology creates a more reliable connectivity solution than traditional coax systems, while significantly decreasing overall weight
- Pre-wireable backplane enables rapid expansion and deployment
- 6-port DSX-3 module enables bi-directional monitoring from a single location
- Integrated cable management helps keep large amounts of cable well organized
- NEBS certified and backed by Telect's DSX lifetime warranty

### Specifications

| Dimensions          |                                                         |
|---------------------|---------------------------------------------------------|
| 48-position chassis | 23" W x 5.95" H x 5.93" D<br>(584 mm x 151 mm x 151 mm) |
| 32-position chassis | 23" W x 3.45" H x 6.09" D<br>(584 mm x 88 mm x 155 mm)  |
| 24-position chassis | 19" W x 3.45" H x 5.93" D<br>(482 mm x 88 mm x 151 mm)  |

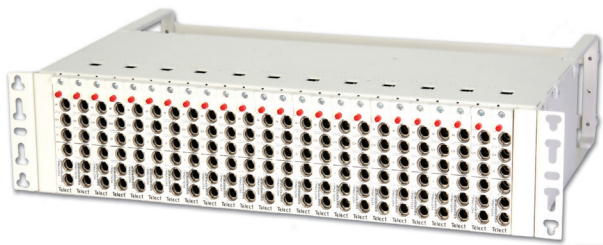
| Description                           | Part Number   |
|---------------------------------------|---------------|
| Loaded 48-term. panel, 6-port modules | 010-4801-4848 |
| Loaded 24-term. panel, 6-port modules | 010-4801-2448 |
| 48-position chassis                   | 010-0000-4848 |
| 32-position chassis                   | 010-0000-3248 |
| 24-position chassis                   | 010-0000-2448 |
| 6-port DSX-3 module                   | 010-4801-0410 |
| 4-port DSX-3 module                   | 010-4801-0401 |
| 3-port DSX-3 module                   | 010-4801-0407 |



Loaded 24-term. Panel  
(010-4801-2448)

# DSX-3, BCS 4R

24 or 32 Terminations, Loaded Panels, DSX Only



24-term./19" Panel, front  
(010-8324-0410)



24-term./19" Panel, rear  
(010-8324-0410)

The most essential features at the industry's lowest DSX-3 price.

### Features

- Fully configured panels streamline ordering and accelerate deployment
- High density: 24 terminations in a 19" chassis; 32 terminations in a 23" chassis
- Space savings: Each panel is just 4" in height
- Essential functionality: 6-port mini-WECO modules enable bi-directional monitoring, patch, test and cross-connect capabilities; 4-port modules also available
- Simplified design: LEDs on front only; dual-monitoring capabilities engineered into each module
- Standard BNC connectors and mini-WECO jacks
- Compatible with ADC RZX DSX-4R products
- Part of Telect's comprehensive Broadband Connectivity System product family

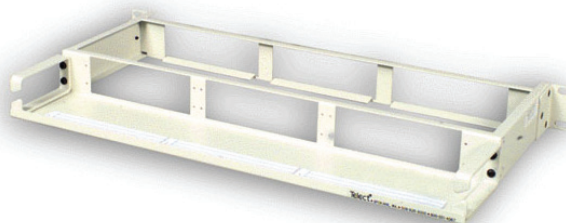
### Specifications

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Dimensions | 19"/23" W x 4" H x 12" D<br>(483/584 mm x 102 mm x 305 mm)              |
| Weight     | 24-term panel: 18.3 lbs. (8.3 kg)<br>32-term panel: 24.4 lbs. (11.1 kg) |

| Description                        | Part Number   |
|------------------------------------|---------------|
| 24-term./19" panel, 6-port modules | 010-8324-0410 |
| 32-term./23" panel, 6-port modules | 010-8332-0410 |
| 24-term./19" panel, 4-port modules | 010-8324-0401 |
| 32-term./23" panel, 4-port modules | 010-8332-0401 |

# DSX-3, Total Front Access System

## Up to 4 Terminations



3-Position DSX-3 Chassis  
(010-0000-0750)



6-Port Mini-WECO Module  
(010-9201-0411)



Total front access wall bracket  
(126363-1)

An ideal solution when space and working room are at a premium in CEVs, urban sites or customer premise applications.

### Features

- 6-port module provides bi-directional monitoring of the signal from one location
- Simple usage, accessibility and maintenance—I/O and cross-connects are all accessible from the front of modules
- Chassis can be mounted on a backboard or in a relay rack as needed
- Rack mounting for EIA/WECO hole spacing supported

| Description        | Part Number   |
|--------------------|---------------|
| 3-position chassis | 010-0000-0750 |

|            |                                                     |
|------------|-----------------------------------------------------|
| Dimensions | 19" W x 1.75" H x 9" D<br>(483 mm x 45 mm x 229 mm) |
| Weight     | 2 lbs. (.9 kg)                                      |

| Description        | Part Number   |
|--------------------|---------------|
| 4-position chassis | 010-0000-1750 |

|            |                                                     |
|------------|-----------------------------------------------------|
| Dimensions | 23" W x 1.75" H x 9" D<br>(584 mm x 45 mm x 229 mm) |
| Weight     | 3 lbs. (1.4 kg)                                     |

| Description                           | Part Number |
|---------------------------------------|-------------|
| Total front access wall-mount bracket | 126363-1    |

|            |                                                     |
|------------|-----------------------------------------------------|
| Dimensions | 5.6" W x 5" H x 1.5" D<br>(142 mm x 127 mm x 38 mm) |
| Weight     | 0.2 lbs. (.09 kg)                                   |

| Description             | Part Number   |
|-------------------------|---------------|
| 6-port mini-WECO module | 010-9201-0411 |



# DSX-3, Industry-Compatible Systems

## Up to 24 Terminations



16-Position Chassis 8000/8500 Series  
(010-0000-0501)



3-Port Standard WECO Module  
(010-8511-0401)

### 8000/8500 Series (DSX-4M\* Compatible)

| Description         | Part Number   |
|---------------------|---------------|
| 16-position chassis | 010-0000-0501 |

|            |                                                      |
|------------|------------------------------------------------------|
| Dimensions | 19" W x 7" H x 10.5" D<br>(483 mm x 178 mm x 267 mm) |
| Weight     | 11 lbs. (5 kg)                                       |

| Description         | Part Number   |
|---------------------|---------------|
| 20-position chassis | 010-0000-1501 |

|            |                                                      |
|------------|------------------------------------------------------|
| Dimensions | 23" W x 7" H x 10.5" D<br>(584 mm x 178 mm x 267 mm) |
| Weight     | 12 lbs. (5.4 kg)                                     |

| Description                 | Part Number   |
|-----------------------------|---------------|
| 6-port mini-WECO module     | 010-8001-0401 |
| 6-port standard WECO module | 010-8011-0401 |
| 3-port mini-WECO module     | 010-8501-0401 |
| 3-port standard WECO module | 010-8511-0401 |

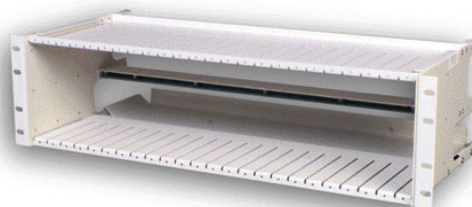
| Description            | Part Number   |
|------------------------|---------------|
| 3-port mini-BNC module | 010-4401-0407 |

Note: Fits into ADC chassis DSX-4J-WDDC, DSX-4J-WIC

With the best pricing in the market you can transition seamlessly to Telect for traditional DS3 connectivity.

### Features

- Fully compatible—add modules to existing chassis or integrate new chassis and modules into bay layouts without disrupting the uniformity of installations
- Multiple configurations to fit virtually any legacy DSX-3 install
- Modular design enables better cost management
- Complete compatibility provides you with a quality vendor option for legacy installations
- Rack mounting for EIA/WECO hole spacing supported



24-Position 8600 Series Chassis  
(010-0000-1301)



3-Port Standard WECO Module  
(010-8611-0401)

### 8600 Series (DSX-4H\* Compatible)

| Description         | Part Number   |
|---------------------|---------------|
| 24-position chassis | 010-0000-1301 |

|            |                                                     |
|------------|-----------------------------------------------------|
| Dimensions | 23" W x 7" H x 9.5" D<br>(584 mm x 178 mm x 241 mm) |
| Weight     | 13 lbs. (5.9 kg)                                    |

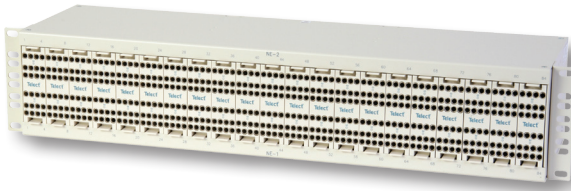
| Description                 | Part Number   |
|-----------------------------|---------------|
| 3-port mini-WECO module     | 010-8601-0401 |
| 3-port standard WECO module | 010-8611-0401 |

\*DSX-4H and DSX-4M are property of ADC Telecommunications. ADC is a registered trademark of ADC Telecommunications, Inc.



# T1/DS1 & T3/DS3 Interconnect Panels

## Up to 168 Terminations



168-Term. T1/DS1 Panel  
(010-7168-5001)

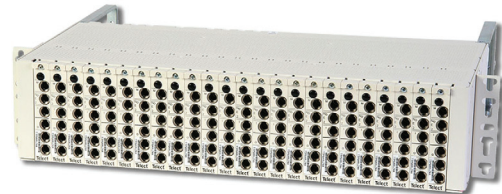


56-Term. T1/DS1 Panel  
(010-7112-5001)

Monitor, test, and patch signals in high-density, static environments.

### Features

- Engineered for demarcation points, customer premise locations or anywhere active cross-connect capabilities are not crucial
- Simple circuit migration, catastrophic failure recovery and centralized termination
- T3 interconnect panels come with mini-WECO jacks
- T1 panels utilized patented Dedicated Digital Jacks™ for reliability and Bantam compatibility
- Patented TwistLok™ mini-WECO jacks and PCB-based DS3 ensure reliable performance
- Compact configuration helps save rack space
- Rack mounting for EIA/WECO hole spacing supported



24-Term. T3/DS3 Panel  
(010-3224-0402)

### T1/DS1 Panels

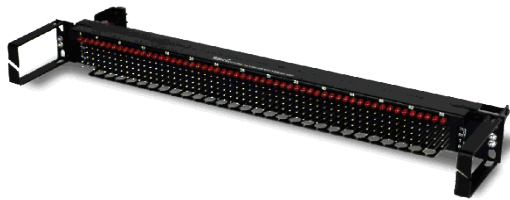
| Description          | Dimensions                                                                 | Part Number   |
|----------------------|----------------------------------------------------------------------------|---------------|
| 28-term., wire-wrap  | 19" W x 4" H x 8.75" D<br>(483 mm x 102 mm x 222 mm)<br>18 lbs. (8.2 kg)   | 010-0728-0001 |
| 56-term., wire-wrap  | 19" W x 3.5" H x 10.7" D<br>(483 mm x 89 mm x 272 mm)<br>22 lbs. (10 kg)   | 010-7112-5001 |
| 128-term., wire-wrap | 23" W x 3.5" H x 8.5" D<br>(584 mm x 89 mm x 216 mm)<br>21 lbs. (9.5 kg)   | 010-7128-5001 |
| 168-term., wire-wrap | 23" W x 4.4" H x 8.5" D<br>(584 mm x 112 mm x 216 mm)<br>30 lbs. (13.6 kg) | 010-7168-5001 |

### T3/DS3 Panels

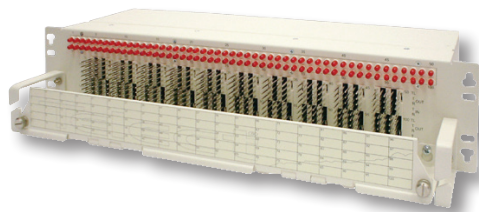
| Description                  | Dimensions                                                                | Part Number   |
|------------------------------|---------------------------------------------------------------------------|---------------|
| 64-term., BNC connectors     | 23" W x 4.4" H x 10" D<br>(584 mm x 133 mm x 254 mm)<br>29 lbs. (13.1 kg) | 010-7064-0001 |
| 24-term., modular panel, 23" | 23" W x 4" H x 12" D<br>(584 mm x 102 mm x 305 mm)<br>31 lbs. (14 kg)     | 010-8424-0002 |
| 24-term., modular panel, 19" | 19" W x 4" H x 12" D<br>(483 mm x 103 mm x 305 mm)<br>18 lbs. (8.2 kg)    | 010-3224-0402 |

# T1/DS1 & T3/DS3 Cross-Aisle Panels

## Up to 100 Terminations



56-Term. T1/DS1 Cross-Aisle Panel  
(005-0005-0002)

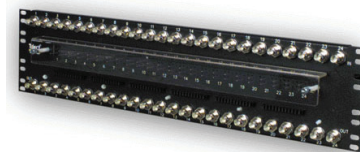


100-Term. T1/DS1 Cross-Aisle Panel  
(005-0005-0112)

An orderly platform for cross-connecting between bay lineups or across equipment room aisles.

### Features

- Each panel extends cross-connects from one bay to another, eliminating the need to run individual cross-connect jumpers between lineups
- Movable LEDs on DS3 panels provide additional flexibility
- Cable management integrated into each panel design
- Rack mounting for EIA/WECO hole spacing supported



24-Term. BNC T3/DS3 Cross-Aisle Panel  
(078-0148-1005)

### T1/DS1 Cross-Aisle Panels

| Description                            | Dimensions                                            | Weight            | Part Number   |
|----------------------------------------|-------------------------------------------------------|-------------------|---------------|
| 56-term./ 6-pin wire-wrap, black       | 19" W x 1.75" H x 4.4" D<br>(483 mm x 45 mm x 112 mm) | 3 lbs. (1.4 kg)   | 005-0005-0002 |
| 60-term./ 6-pin wire-wrap, black       | 23" W x 1.75" H x 2" D<br>(584 mm x 45 mm x 51 mm)    | 2 lbs. (0.9 kg)   | 005-0007-1001 |
| 60-term./6-pin wire-wrap, white        | 23" W x 1.75" H x 2" D<br>(584 mm x 45 mm x 51 mm)    | 2 lbs. (0.9 kg)   | 005-0007-0010 |
| 72-term./5-pin wire-wrap, black        | 23" W x 1.75" H x 2" D<br>(584 mm x 45 mm x 112 mm)   | 2.5 lbs. (1.1 kg) | 005-0005-0001 |
| 72-term./6-pin expandable, black       | 23" W x 1.75" H x 4.4" D<br>(584 mm x 45 mm x 112 mm) | 2.5 lbs. (1.1 kg) | 005-0007-1002 |
| 100-term./5-pin wire-wrap, white       | 23" W x 4" H x 6.6" D<br>(584 mm x 102 mm x 168 mm)   | 5 lbs. (2.3 kg)   | 005-0005-0100 |
| 100-term./50-pin connectors, white     | 19" W x 4" H x 7.5" D<br>(483 mm x 102 mm x 192 mm)   | 5 lbs (2.3 kg)    | 005-0005-0112 |
| Pin block, 72 pin with mounting screws | 2.8" W x 1.5" H                                       | 2.25 lbs          | 005-0007-1012 |

### T3/DS3 Cross-Aisle Panels

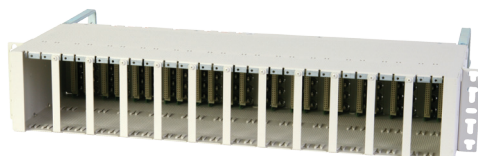
| Description                                                                          | Dimensions                                           | Weight            | Part Number   |
|--------------------------------------------------------------------------------------|------------------------------------------------------|-------------------|---------------|
| 24-term. BNC, with tracer lead pin sockets/ jacks, white                             | 23" W x 4" H x 5" D<br>(584 mm x 102 mm x 127 mm)    | 2.5 lbs. (1.1 kg) | 078-0124-1100 |
| 24-term. BNC,with tracer lead pin sockets/ jacks, black                              | 23" W x 5.25" H<br>(584 mm x 133 mm)                 | 5 lbs. (2.3 kg)   | 078-0148-1005 |
| 24-term. BNC, with tracer lead pin sockets/ jacks, black                             | 19" W x 4" H x 5" D<br>(483 mm x 102 mm x 127 mm)    | 3 lbs. (1.4 kg)   | 078-0124-1200 |
| 24-term. BNC, with tracer lamps, movable LEDs and adjustable cable management, black | 19" W x 5.25" H x 5" D<br>(483 mm x 133 mm x 127 mm) | 4 lbs. (1.8 kg)   | 078-0124-1201 |

# Media Converters/Network Extenders

## DS3 & Ethernet Optical-Electrical Converters



19"/8-Position 1 RU Chassis, Populated  
(010-0000-0471BCS)  
\*Modules Sold Separately



23"/24-Position 3 RU Chassis  
(010-0000-1401BCS)

Simple, space-saving and cost-effective DS3 or Ethernet extension and delivery over fiber optics.

### Features

- Deliver DS3s up to 50 km and Ethernet up to 30 km over single mode fiber
- Extend cross-connects quickly and cost-effectively across large offices, campuses, buildings or in building risers
- Rapidly deploy DS3 or Ethernet service to remote customers
- Extend DSL service to additional customers quickly and simply
- 1 RU chassis provides advanced functionality in minimal space
- Wall-mount systems include one module and a mounting bracket
- Mounting brackets suitable for EIA/WECCO
- For specifications, see Telect.com

### Ethernet Extension

| Modules           | Part Number     |
|-------------------|-----------------|
| Single mode SC    | 710-3201-2302-E |
| Single mode ST    | 710-3201-2301-E |
| Multimode SC      | 710-3201-1302-E |
| Multimode ST      | 710-3201-1301-E |
|                   |                 |
| Wall-Mount System | Part Number     |
| Single mode SC    | 710-1001-2302-E |
| Single mode ST    | 710-1001-2301-E |
| Multimode SC      | 710-1001-1302-E |
| Multimode ST      | 710-1001-1301-E |



Wall-Mount System  
(710-1001-2302-E)

### T3/E3/STS-1 Extension

| Modules           | Part Number     |
|-------------------|-----------------|
| Single mode SC    | 710-3201-2002-U |
| Single mode ST    | 710-3201-2001-U |
| Multimode SC      | 710-3201-1002-U |
| Multimode ST      | 710-3201-1001-U |
|                   |                 |
| Wall-Mount System | Part Number     |
| Single mode SC    | 710-1001-2002-U |
| Single mode ST    | 710-1001-2001-U |
| Multimode SC      | 710-1001-1002-U |
| Multimode ST      | 710-1001-1001-U |

### Single-Fiber T3 Extension Modules

| Modules                                | Part Number     |
|----------------------------------------|-----------------|
| Protected single mode SC (set of four) | 710-3201-4222-U |

### Chassis

| Description                          | Part Number      |
|--------------------------------------|------------------|
| 19"/8-position 1 RU chassis          | 010-0000-0471BCS |
| 23"/10-position 1 RU chassis         | 010-0000-1471BCS |
| 23"/24-position 3 RU chassis         | 010-0000-1401BCS |
| 19"/24-position 3 RU chassis         | 010-0000-2401BCS |
| 23"/32-position 3 RU chassis         | 010-0000-3201BCS |
| Power supply for wall-mount chassis* | 010-0000-9900    |

*Note: Power supply required for wall-mount systems when existing 48v source is not available.*

# Ethernet Patch Bays

## Single-Bay and Multi-Bay Lineups



Total Ethernet connectivity solutions for high-density, high circuit capacity data centers.

### Features

- High-density patching in a standard frame footprint
- Integrated cable management routes and protects all associated cabling between panels and on the side of the frame to keep the entire installation manageable
- Cat 5e or Cat 6 bays available to meet the specific standards of your application
- Patch panels with integrated tracer LEDs simplify the location of cross-connects — just plug in the signal tracer module to find connected circuits in two locations
- Meet all key industry standards for Ethernet-level performance



| Description            | Panels        | Frame           | Terminations | Part Number        |
|------------------------|---------------|-----------------|--------------|--------------------|
| Half-bay startup frame | 24-Port Cat 6 | 19" Network bay | 288          | 017-EPPE-1219-0010 |
| Single bay             | 48-port Cat 6 | 19" Network bay | 480          | 017-EPPE-2019-0006 |
| Two-bay lineup         | 48-Port Cat 6 | 19" Network bay | 1,344        | 017-EPPE-0419-0001 |
| Three-bay lineup       | 48-Port Cat 6 | 19" Network bay | 1,296        | 017-EPPE-2719-0001 |

*Note: Existing configurations listed above. Contact Telect for modified versions, Cat 5e options and pre-configured bays with various options. Minimum order quantities apply.*

### Vertical Cable Management

| Description                     | Part Number     |
|---------------------------------|-----------------|
| 6" double-sided cable manager   | ACCE-6DX-DSBLK  |
| 6" single-sided cable manager   | ACCE-6DX-SSBLK  |
| 10" single-sided cable manager  | ACCE-10DX-DSBLK |
| 10" single-sided cable manager  | ACCE-10DX-SSBLK |
| <b>Ring Panels</b>              |                 |
| 19" ring panel, 6" x 4", EIA    | ACCE-RG4U-19BLK |
| 19" ring panel, 1.75" x 4", EIA | ACCE-RG1U-19BLK |
| 23" ring panel, 6" x 4", EIA    | ACCE-RG4U-23BLK |
| 23" ring panel, 1.75" x 4", EIA | ACCE-RG1U-23BLK |

| Description                     | Part Number     |
|---------------------------------|-----------------|
| <b>Lacing Bars</b>              |                 |
| 19" lacing bar                  | ACCE-LBAR-19BLK |
| 23" lacing bar                  | ACCE-LBAR-23BLK |
| <b>Cable Management Troughs</b> |                 |
| 19" bottom trough               | ACCE-BHTR-19BLK |
| 19" mid-frame trough            | ACCE-MHTR-19BLK |
| 23" bottom trough               | ACCE-BHTR-23BLK |
| 23" mid-frame trough            | ACCE-MHTR-23BLK |



# Ethernet Patch Panels, Punch-Down IDC & Connectorized 24 & 48 Terminations, Category 5e and Category 6



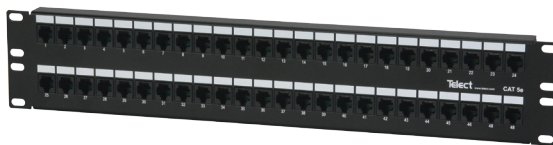
48-Port Cat 6 Ethernet Tracer Panel  
(EPPE-CAT6-48ILD)



48-Port Cat 5e Patch Panel  
(EPPE-CT5E-48IDC)

## Punch-Down IDC Panels

| Description                                  | Part Number     |
|----------------------------------------------|-----------------|
| <b>Panels with Integrated Tracer LEDs</b>    |                 |
| 24-Port Cat 5e patch panel                   | EPPE-CT5E-24ILD |
| 48-Port Cat 5e patch panel                   | EPPE-CT5E-48ILD |
| 24-Port Cat 6 patch panel                    | EPPE-CAT6-24ILD |
| 48-Port Cat 6 patch panel                    | EPPE-CAT6-48ILD |
| <b>Standard Patch Panels, No Tracer LEDs</b> |                 |
| 24-Port Cat 5e patch panel                   | EPPE-CT5E-24IDC |
| 48-Port Cat 5e patch panel                   | EPPE-CT5E-48IDC |
| 24-Port Cat 6 patch panel                    | EPPE-CAT6-24IDC |
| 48-Port Cat 6 patch panel                    | EPPE-CAT6-48IDC |
| 96-Port Cat 6 patch panel                    | EPPE-CAT6-96IDC |
| <b>Additional Items</b>                      |                 |
| Signal tracer module                         | EPPE-TRCR-MOD   |



48-Port Cat 5e Patch Panel, front  
(099-8648-1500)



48-Port Cat 5e Patch Panel, rear  
(099-8648-1500)

## RJ21 Connectorized Panels

| Description                | Part Number   |
|----------------------------|---------------|
| 48-Port Cat 5e patch panel | 099-8648-1500 |

Simplify signal tracing in high-density Ethernet patch bays.

## Features

- Category 5e Panels
  - » Exceed category 5e TIA/EIA-568B.2 specifications for component performance
  - » Handle data rates exceeding 100 MHz
- Category 6 Panels
  - » Exceed category 6 TIA/EIA-568B.2 specifications for component performance
  - » Handle data rates exceeding 250 MHz
- Panels with tracer LEDs help users quickly and accurately locate cable connections – each port has an adjacent LED that lights up to indicated connected ports (requires use of Signal Tracer Module)
- Punch-down IDC backplane provides basic, traditional connectivity
- RJ21 Connectorized panels enable simple connection to T1 cable assemblies
- Rack mounting for EIA/WECO hole spacing supported

## Specifications

|                       |                                                                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mechanical</b>     |                                                                                                                                                                  |
| Dimensions            | 24-port: 19" W x 1.75" H x 3.5" D<br>(483 mm x 45 mm x 89 mm) 1.1 lbs. (.5 kg)<br>48-port: 19" W x 3.5" H x 3.5" D<br>(483 mm x 89 mm x 89 mm) 3.5 lbs. (1.6 kg) |
| <b>Connections</b>    |                                                                                                                                                                  |
| Insulation resistance | 500 megaohms                                                                                                                                                     |
| Contact resistance    | Cat 6: 1 milliohms per contact<br>Cat 5e: 2 milliohms per contact                                                                                                |
| Insertion life        | 750 cycles minimum, < 0.2 dB of insertion loss                                                                                                                   |
| <b>Electrical</b>     |                                                                                                                                                                  |
| Wiring                | T568A or T568B                                                                                                                                                   |
| Dielectric withstand  | 1000 VAC RMS @60 Hz                                                                                                                                              |
| Voltage/current       | 150 VDC @1.5 amps max.,<br>> 100 milliohms at 500 VDC                                                                                                            |
| <b>Performance</b>    |                                                                                                                                                                  |
| Data rates            | Cat 5e panels: 100 MHz-plus<br>Cat 6 panels: 250 MHz-plus                                                                                                        |
| <b>Material</b>       |                                                                                                                                                                  |
| Housing               | High-impact UL 94V-0 rated thermoplastic                                                                                                                         |
| IDC Blocks            | Phosphor bronze, 100 micron in. nickel plating 22-26 AWG, solid, UTP cable                                                                                       |
| <b>Compliance</b>     |                                                                                                                                                                  |
| Agency compliance     | Meets TIA/EIA-568-B.2/568-B.2-1<br>Cat 5e/Cat 6, ISO/IEC 11801 and EN 50173-1 specifications                                                                     |



# Ethernet Patch Panels, Pass-Through Couplers

## 24 & 48 Terminations, Category 5e and Category 6



24-port Cat 5e Coupler Panel  
(099-8524-1601)



48-port Cat 5e Coupler Panel  
(099-8548-1601)



48-port Cat 6 Coupler Panel  
(099-8648-1601)

### Panels

| Description                  | Part Number   |
|------------------------------|---------------|
| 24-port Cat 5e coupler panel | 099-8524-1601 |
| 48-port Cat 5e coupler panel | 099-8548-1601 |
| 24-port Cat 6 coupler panel  | 099-8624-1601 |
| 48-port Cat 6 coupler panel  | 099-8648-1601 |

### Accessories

| Description                           | Part Number   |
|---------------------------------------|---------------|
| 1 RU 19"-to23" universal rack adapter | 999-0041-0001 |
| 2 RU 19"-to23" universal rack adapter | 999-0041-0003 |
| Cat 5e replacement coupler            | 138506        |
| Cat 6 replacement coupler             | 138507        |



16-Term. Cat 5e Patch Module  
(ELF-9716-1700)

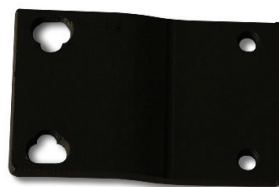
Simple, high-density solutions for Ethernet demarcation, extension and cross-aisle interconnection.

### Features

- High-density connectivity that meets all Cat 5e or Cat 6 standards
- 24-port or 48-port panels available
- Simple, cost-effective interconnection of Ethernet circuits
- Designation located above each silk-screened port (front and rear)
- For use in 10/100/1000 Base-T Ethernet applications
- Mount to the front or rear of any standard EIA or WECCO 19" rack (adapters available for 23" racks)

### Specifications

| Electrical        |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| Wiring            | UTP (solid or stranded)<br>8 conductor, T568A or T568B                               |
| Material          |                                                                                      |
| General           | Cold-rolled steel<br>.0598 thick (16-gauge)                                          |
| Couplers          | ABS molding compound, UL94V-0 rated                                                  |
| Compliance        |                                                                                      |
| Agency compliance | Part 68, FCC Rules<br>Cat 5e or Cat 6 TIA/EIA-568B.2 specs for component performance |



1 RU 19"-to23" Universal Rack Adapter  
(999-0041-0001)

For high-density/small footprint panels with multi-signal capabilities, see Telect's modular ELF on pages C-15 - C-16.

# Terminal Blocks

## High-Speed ADSL2+



12 x 25 150-Pair HS+ Block  
(425-1066-205)

### High-Speed Blocks

| Description                           | Part Number         |
|---------------------------------------|---------------------|
| 8 x 24, 96-pair, 4.75" housing        | 484-2064-140        |
| 12 x 24, 144-pair, 6" housing         | 424-2006-100        |
| 12 x 25, 150-pair, 6" housing         | 425-1066-105        |
| 16 x 25, 200-pair, 6" housing         | 465-1068-105        |
| 12 x 24, 144-pair, 6" housing         | 424-2066-100        |
| 25-Pair/Cat 5, male-to-male, 10 ft.   | 925-2333-0045-010   |
| 25-Pair/Cat 5, male-to-female, 25 ft. | 925-2533-0045-025RC |
| 25-Pair/Cat 5, male-to-female, 30 ft. | 925-2533-0045-030RC |
| 25-Pair/Cat 5, male-to-female, 35 ft. | 925-2533-0045-035RC |
| 25-Pair/Cat 5, male-to-female, 45 ft. | 925-2533-0045-045RC |
| 25-Pair/Cat 5, male-to-female, 50 ft. | 925-2533-0045-050RC |
| 25-Pair/Cat 5, male-to-female, 60 ft. | 925-2533-0045-060RC |

### High-Speed-Plus Blocks

| Description                            | Part Number         |
|----------------------------------------|---------------------|
| 12 x 25, 150-pair, 6" housing          | 425-1066-205        |
| 16 x 32, 256-pair, 6" housing          | 462-2068-500        |
| 25-Pair/Cat 5, female-to-female, 10 ft | 925-2433-0035-010RC |
| 25-Pair/Cat 5, male-to-female, 30 ft.  | 925-2533-0035-030RC |
| 25-Pair/Cat 5, male-to-female, 50 ft.  | 925-2533-0035-050RC |
| 25-Pair/Cat 5, male-to-female, 100 ft. | 925-2533-0035-100RC |
| 32-Pair/Cat 5, male-to-female, 6 ft.   | 932-2544-0015-006RC |
| 32-Pair/Cat 5, male-to-female, 10 ft.  | 932-2544-0015-010RC |

Note: other configurations available

High-speed terminal blocks allow the DSL signal to reach farther into neighborhoods.

### Features

- Support advanced DSL build-out by reducing insertion loss and crosstalk
- Two standards are available based on performance specifications: high-speed (HS) and high-speed-plus (HS+)
- Handle bit-rates up to ADSL2+
- All standard connectorized MDF blocks and rack-mount systems can be upgraded to HS or HS+
- Cable assemblies available engineered specifically for HS+ and HS applications

### Specifications

| Mechanical     |                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions     | 8" W x 4" H x 6" D (unless noted)<br>(203 mm x 102 mm x 150 mm)                                                                                   |
| Weight         | 3 lbs. (1.4 kg)                                                                                                                                   |
| Electrical     |                                                                                                                                                   |
| Wiring         | High-Speed Plus: Built to Cat 5 specs, designed for up to 25 Mbps; require the use of Telect's Cat 5-wired 25-pair or 32-pair connectorized cable |
| Insertion loss | High-Speed-Plus: $\leq 0.1$ dB, DC to 10 MHz,<br>$\leq 0.3$ dB, DC to 20 MHz<br>High-Speed: $\leq 0.1$ dB, DC to 3 MHz                            |
| Return loss    | High-Speed-Plus: $\leq 26$ dB, DC to 10 MHz,<br>$\leq 18$ dB, DC to 20 MHz<br>High-Speed: $\leq 26$ dB, DC to 3 MHz                               |
| Crosstalk      | High-Speed-Plus: $\leq 60$ dB, DC to 10 MHz,<br>$\leq 55$ dB, DC to 20 MHz<br>High-Speed: $\leq 60$ dB, DC to 3 MHz                               |

# Terminal Blocks

## Standard Voice Frequency



16 x 32 256-Pair Connectorized Block  
(462-2068-300)



6 x 28 Non-Connectorized Block  
(467-0000-045)

### Connectorized Blocks

| Description                     | Part Number  |
|---------------------------------|--------------|
| 8 x 25, 100-pair, 4.75" housing | 485-1064-040 |
| 8 x 25, 100-pair, 4.75" housing | 485-2064-041 |
| 8 x 32, 128-pair, 4.75" housing | 482-2064-353 |
| 8 x 25, 100-pair, 6" housing    | 485-1064-005 |
| 12 x 25, 150-pair, 6" housing   | 425-1066-005 |
| 12 x 32, 192-pair, 6" housing   | 422-2068-000 |
| 16 x 32, 256-pair, 6" housing   | 462-2068-300 |
| 16 x 25, 200-pair, 6" housing   | 465-1068-005 |

### Non-Connectorized Blocks

| Description            | Part Number  |
|------------------------|--------------|
| 6 x 28, 4.75" housing  | 467-0000-045 |
| 8 x 32, 4.75" housing  | 482-0000-040 |
| 8 x 25, 4.75" housing  | 485-0000-040 |
| 8 x 32, 4.75" housing  | 482-0000-060 |
| 12 x 24, 6" housing    | 424-0000-042 |
| 12 x 25, 4.75" housing | 425-0000-040 |
| 12 x 32, 4.75" housing | 422-0000-040 |
| 16 x 32, 4.75" housing | 462-0000-040 |

The building blocks of telecom networks, in a comprehensive range of configurations.

### Features

- Insulator housing pivots for unobstructed access to inside terminal field or rear terminals
  - » 180° pivot for non-connectorized blocks
  - » 90° pivot for connectorized blocks
- Extra-wide pivot allows equipment cables to be conveniently routed through the rear or underside of the housing for termination
- Simplified wire-wrapping, replacement of connectorized cable and terminals
- High-density designs enable maximum use of frame space

### Specifications

| Mechanical                                   |                                                                                                                                                                                                                   |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                   | 8" W x 4" H x 6" D (unless noted)<br>(203 mm x 102 mm x 150 mm)                                                                                                                                                   |
| Weight                                       | 3 lbs. (1.4 kg)                                                                                                                                                                                                   |
| Wire-wrap terminals                          | CDA 260 alloy, 3/4 hard brass (single post) or spring-tempered brass with a tin/lead over nickel underplate<br>.045-inch square posts that extend .50 inch (single post) or .43 inch from the terminal field face |
| Insulation displacement bifurcated terminals | Tin-plated brass                                                                                                                                                                                                  |
| Insulator housing insulating material        | Polycarbonate 94 V-0 flame-retardant thermoplastic (oxygen index of 35), ASTM test method UL 94                                                                                                                   |
| Terminal field insulating material           | 94 V-0 flame-retardant thermoplastic (oxygen index of 33), ASTM method UL 94                                                                                                                                      |

### Accessories

| Description              | Part Number  |
|--------------------------|--------------|
| 19" Mounting bracket kit | 000-4009-119 |
| 23" Mounting bracket kit | 000-4009-123 |

# Terminal Blocks

## Rack-Mount Systems, High-Speed & Standard VF



16 x 50 High-Speed Terminal Block  
(TCCS-19-7-1)

| Description                  | Part Number |
|------------------------------|-------------|
| 16 x 50 high-speed system    | TCCS-19-7-1 |
| 16 x 32 VF system            | TCCS-23-46  |
| 16 x 50 VF system, 5.25" H   | TCCS-49-9   |
| 16 x 50 VF system            | TCCS-19-7   |
| 16 x 50 VF system, wire-wrap | TCCS-23-25  |
| 16 x 64 VF system, 5.25" H   | TCCS-49-1   |
| 16 x 64 VF system            | TCCS-19-1   |



16 x 32 VF Terminal Block, front  
(TCCS-23-46)

Full-featured terminal blocks and cable management in one simple footprint.

### Features

- Rapid installation and deployment, optimal floor space utilization and superior cable management
- Up to 512-pair density in 3 RU or 4 RU height
- Mountable in 19" or 23" racks
- Simple, cost-effective solution for DSL deployment
- Available connectorized, non-connectorized or both
- Terminal fields may be ordered with single-post wire-wrap or bifurcated wire-wrap terminals
- Rack mounting for EIA/WECCO hole spacing supported

### Specifications

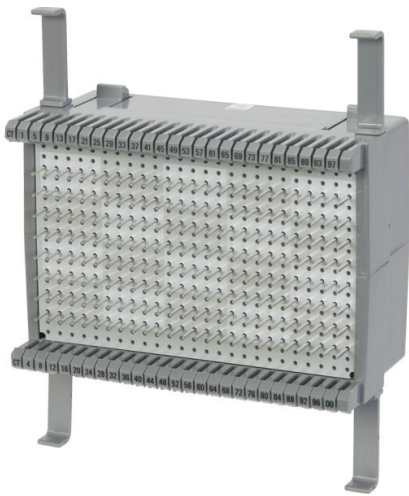
|            |                                                                |
|------------|----------------------------------------------------------------|
| Dimensions | 19" W x 7" H x 6" D (unless noted)<br>483 mm x 178 mm x 152 mm |
| Weight     | 15 lbs. (6.8 kg)                                               |



16 x 32 VF Terminal Block, rear  
(TCCS-23-46)

# DF Series Terminal Blocks

## Support for DF-300/330 Modular Distribution Frame



DF Series Terminal Block  
(G85-0000-001)

Keep your costs down by utilizing Telect's standard offering of DF-300/330 Terminal Blocks to fill up that unused DF-300/330 frame space.

### Features

- Single post wire wrap terminals
- Upper and lower fanning strips to minimize congestion on the block
- Factory hot-stamping to minimize labeling requirements
- Silkscreened checkerboard pattern to minimize parallax errors when locating terminals
- Replaceable terminals
- Designation labels included
- Available in 8 x 32 and 8 x 25 configurations
- Connectorized versions available with industry standard 50-pin or 64-pin connectors

### Specifications

#### Non-Connectorized Blocks

| Description                                  | Part Number  |
|----------------------------------------------|--------------|
| 8 x 25, Blue Silk Screen                     | G85-0000-002 |
| 8 x 25, White Silk Screen                    | G85-0000-001 |
| 8 x 25, Yellow Silk Screen, IDV Terminal     | V85-0000-007 |
| 8 x 32, Blue Silk Screen                     | G82-0000-009 |
| 8 x 32, White Silk Screen                    | G82-0000-001 |
| 8 x 32, with Center Label, Blue Silk Screen  | G82-0000-000 |
| 8 x 32, with Center Label, White Silk Screen | G82-0000-002 |

#### Connectorized Blocks

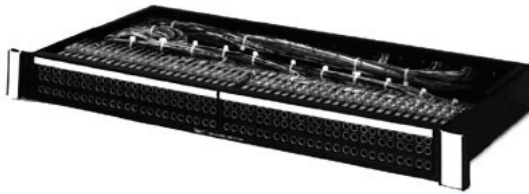
| Description                                                    | Part Number  |
|----------------------------------------------------------------|--------------|
| 8 x 25, 100-pair, White Silk Screen, Horizontal Cable Pairings | G85-1064-000 |
| 8 x 25, 100-pair, White Silk Screen, Vertical Cable Pairings   | G85-2064-000 |
| 8 x 32, 128-pair, White Silk Screen, Horizontal Cable Pairings | G82-1004-300 |
| 8 x 32, 128-pair, White Silk Screen, Vertical Cable Pairings   | G82-2004-300 |

| Environmental           |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Non Operating           | -50° C to 75° C<br>0 to 90% Relative Humidity                                                                                                                                   |
| Operating               | 0° C to 50° C<br>0 to 90% Relative Humidity                                                                                                                                     |
| Mechanical              |                                                                                                                                                                                 |
| Terminals               |                                                                                                                                                                                 |
| Wire Wrap               | CDA 260 alloy, 3/4 hard brass (single post) with a tin/lead over nickel underplate<br>.045 inch square posts which extend .50 inches (single post) from the terminal field face |
| Insulating Material     |                                                                                                                                                                                 |
| Insulator Housing       | Polycarbonate 94 V-O flame retardant thermoplastic (oxygen index of 35) (ASTM test method UL 94)                                                                                |
| Terminal Field          | 94 V-O flame retardant thermoplastic (oxygen index of 33) (ASTM test method UL 94)                                                                                              |
| Weight                  | 1.5 pounds/0.68 kg                                                                                                                                                              |
| Electronic              |                                                                                                                                                                                 |
| Breakdown Voltage       | 15,000 VAC Rms                                                                                                                                                                  |
| Crosstalk 50 Hz-5 KHz   | Greater than 90 dbm                                                                                                                                                             |
| Crosstalk 5 KHz-120 KHz | Greater than 65 dbm                                                                                                                                                             |



# Voice Frequency Jackfields

## 24 & 48 Terminations



2-Wire 48-Circuit Jackfield  
(020-0004-0004)

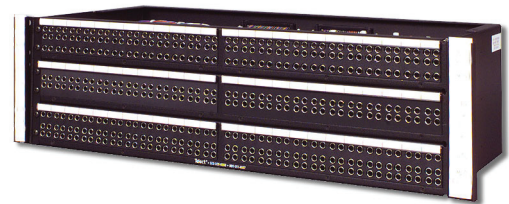


6-Wire 24-Circuit Jackfield  
(020-0006-0000)

Simple, cost-effective patching and circuit access for voice frequency level connectivity.

### Features

- Simple circuit access at the VF level
- Available in 2-, 4-, or 6-wire configurations
- 19" EIA mounting (23" adapter brackets available)
- Easy circuit access for signal maintenance and monitoring
- Accept all standard Bantam patch cords
- Rack mounting for EIA/WECA hole spacing supported



6-Wire 48-Circuit Jackfield  
(020-0007-0000)

| Description                      | Dimensions                                                               | Part Number   |
|----------------------------------|--------------------------------------------------------------------------|---------------|
| 2-wire,<br>48-circuit            | 19" W x 1.75" H x 8" D<br>(483 mm x 45 mm x 203 mm)<br>7 lbs. (3.2 kg)   | 020-0004-0004 |
| 4-wire,<br>24-circuit            | 19" W x 1.75" H x 8" D<br>(483 mm x 45 mm x 203 mm)<br>7 lbs. (3.2 kg)   | 020-0005-0000 |
| 6-wire,<br>24-circuit            | 19" W x 3.5" H x 8" D<br>(483 mm x 89 mm x 203 mm)<br>14 lbs. (6.4 kg)   | 020-0006-0000 |
| 6-wire,<br>48-circuit            | 19" W x 5.25" H x 8" D<br>(483 mm x 133 mm x 203 mm)<br>19 lbs. (8.6 kg) | 020-0007-0000 |
| 6-wire,<br>24-circuit,<br>hinged | 19" W x 3.5" H x 8" D<br>(483 mm x 89 mm x 203 mm)<br>14 lbs. (6.4 kg)   | 020-0049-0000 |

# Ethernet Patch Cords



## Specifications

| Cat 5e Mechanical               |                                                    |
|---------------------------------|----------------------------------------------------|
| Cable type                      | 4-pair UTP                                         |
| Conductor gauge                 | 24 AWG (7/32), stranded, bare copper               |
| Diameter                        | 0.210"                                             |
| Jacket                          | PVC                                                |
| Bend radius                     | 1"                                                 |
| Cat 5e Performance              |                                                    |
| Attenuation                     | 26.4 dB/100 m @ 100MHz<br>53.8 dB/100 m @ 350MHz   |
| Impedance                       | 100 +/- 15 ohms                                    |
| Return loss                     | 18.1 dB/100 m @ 100MHz<br>14.3 dB/100 m @ 350MHz   |
| Nominal velocity of propagation | 68%                                                |
| NEXT (minimum)                  | 35.3 dB/100 m @ 100MHz<br>27.2 dB/100 m @ 350MHz   |
| PS-NEXT                         | 32.3 dB/100 m @ 100 MHz<br>24.2 dB/100 m @ 350 MHz |
| Cat 6 Mechanical                |                                                    |
| Cable type                      | 4-pair UTP                                         |
| Conductor gauge                 | 24 AWG (7/32), stranded, bare copper               |
| Diameter                        | 0.220"                                             |
| Jacket                          | PVC                                                |
| Bend radius                     | 1"                                                 |

## Features

- Engineered for future applications and ideal for Gigabit performance
- Meet or exceed industry-standard specifications as outlined in the latest TIA guidelines
- Cat 5e cords tested to 350 MHz
- Electrical characteristics for Cat 6 cords meet or exceed TIA/EIA 568-B.2-1 CAT 6 requirements
- Support IEEE 802.3 10BASE-T, 100BASE-TX and 1000BASE-T applications, as well as IEEE 802.5 4- and 16-Mbps token ring uses
- Electrical characteristics exceed TIA/EIA 568B Cat 5e requirements for characteristic impedance, structural return loss, attenuation and delay skew
- Improved near-end crosstalk (NEXT) in comparison to standard Cat 5 cable

| Length      | Category 5e    | Category 6     |
|-------------|----------------|----------------|
| 3' / 0.91 m | EPCE-CT5E-BL03 | EPCE-CAT6-BL03 |
| 5' / 1.5 m  | EPCE-CT5E-BL05 | EPCE-CAT6-BL05 |
| 7' / 2.1 m  | EPCE-CT5E-BL07 | EPCE-CAT6-BL07 |
| 10' / 3 m   | EPCE-CT5E-BL10 | EPCE-CAT6-BL10 |
| 15' / 4.6 m | EPCE-CT5E-BL15 | EPCE-CAT6-BL15 |
| 20' / 6.1 m | EPCE-CT5E-BL20 | EPCE-CAT6-BL20 |

## Specifications (Continued)

| Cat 6 Performance                                  |                             |
|----------------------------------------------------|-----------------------------|
| Attenuation                                        | 39.4 dB/100 m @ 250MHz      |
| Impedance                                          | 100 ± 15 ohms @ 1-250MHz    |
| Return loss                                        | 15.6 dB/100 m @ 250MHz      |
| Resistance                                         | 9.4 ohms/100 m @ 20° C max. |
| Nominal velocity of propagation                    | 68%                         |
| Mutual capacitance                                 | 5.6nF/100 m max             |
| NEXT (minimum)                                     | 38.3 dB/100 m @ 250MHz      |
| PS-NEXT                                            | 36.3 dB/100 m @ 250MHz      |
| EFLEX (Equal Level Far-End Crosstalk)              | 19.8 dB/100 m @ 250MHz      |
| PS-EFLEX (Power Sum Equal Level Far-End Crosstalk) | 16.8 dB/100 m @ 250MHz      |

# DS1/Bantam & DS3/Coax Patch Cords & Jumpers



Single Bantam Patch Cord  
(040-1000-xxx)

Dual Bantam Patch Cord  
(040-2000-xxx)

## DS1/Batam Patch Cord

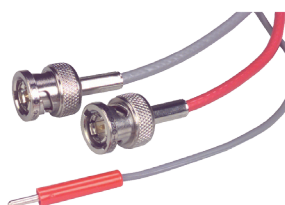
| Length      | Single Bantam | Dual Bantam  |
|-------------|---------------|--------------|
| 1' / 0.3 m  | 040-1000-001  | 040-2000-001 |
| 2' / 0.6 m  | 040-1000-002  | 040-2000-002 |
| 3' / 0.9 m  | 040-1000-003  | 040-2000-003 |
| 4' / 1.2 m  | 040-1000-004  | 040-2000-004 |
| 5' / 1.5 m  | 040-1000-005  | 040-2000-005 |
| 6' / 1.8 m  | 040-1000-006  | 040-2000-006 |
| 8' / 2.4 m  | 040-1000-008  | 040-2000-008 |
| 10' / 3 m   | 040-1000-010  | 040-2000-010 |
| 12' / 3.7 m | 040-1000-012  | 040-2000-012 |
| 15' / 4.6 m | 040-1000-015  | 040-2000-015 |
| 20' / 6.1 m | 040-1000-020  | 040-2000-020 |



Single RG59 BNC Patch Cord  
(043-0111-xxx)



Single 735A with Messenger Wire  
Mini-WECO Cross-Connect  
(043-1022-xxx)



Dual 735A with Messenger Wire  
BNC Cross-Connect  
(043-1311-xxx)



Single 735A BNC Patch Cord  
(043-1911-xxx)

## Features

### DS1/Batam Patch Cord

- Plugs are nickel-plated for non-tarnishing metal-to-metal contact and longer patch cord life
- Perfect fit for Telect's DS1 products with patented DDJ (Dedicated Digital Jack), as well as all standard DSX-1 panels
- Strain relief is molded into the cable-to-plug retention
- Three-conductor plug configurations
- RoHS compliant

### DS3/Coax Patch Cord

- Test, monitor, patch and cross-connect DS3 circuits
- Standard connector options include mini-WECO, standard WECO and BNC
- Additional lengths and connectors available
- All cables engineered for reliability and performance
- Assemblies are all RoHS compliant

## DS3/Coax Patch Cord Ordering Information

Substitute standard length in place of "X's" in part numbers below:

003 = 3 feet / 0.9 m      012 = 12 feet / 3.7 m  
006 = 6 feet / 1.8 m      015 = 15 feet / 4.6 m  
008 = 8 feet / 2.4 m      020 = 20 feet / 6.1 m  
010 = 10 feet / 3 m

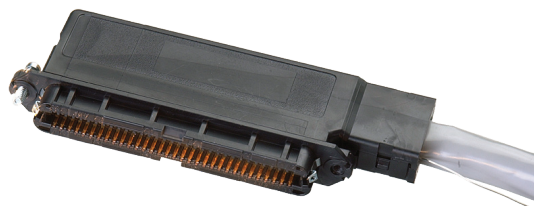
## Cross-Connect Jumpers

| Type                            | Connectors | Part Number  |
|---------------------------------|------------|--------------|
| Dual 735A with messenger wire   | BNC        | 043-1311-XXX |
|                                 | Mini-WECO  | 043-1322-XXX |
| Single 735A with messenger wire | BNC        | 043-1011-XXX |
|                                 | Mini-WECO  | 043-1022-XXX |
| Dual 735C with messenger wire   | BNC        | 043-3311-XXX |
| Single 735C with messenger wire | BNC        | 043-2011-XXX |

## Patch Cords

| Type        | Connectors    | Part Number  |
|-------------|---------------|--------------|
| Single 735A | BNC           | 043-0911-XXX |
|             | Mini-WECO     | 043-0922-XXX |
|             | Standard WECO | 043-0933-XXX |
| Dual 735A   | BNC           | 043-1911-XXX |
|             | Mini-WECO     | 043-1922-XXX |
| Single RG59 | BNC           | 043-0111-XXX |
|             | Mini-WECO     | 043-0122-XXX |
|             | Standard WECO | 043-0133-XXX |
| Single 735C | BNC           | 043-2911-XXX |
|             | Mini-WECO     | 043-2922-XXX |
| Dual 735C   | BNC           | 043-3911-XXX |
|             | Mini-WECO     | 043-2922-XXX |

# Standard Telecom Cables



## Features

- Engineered for the interconnection of DS1 network elements in central offices, remote sites and wireless locations
- All assemblies feature 24 AWG twisted-pair cable with solid tinned copper conductors and PVC jackets
- Assemblies are all RoHS compliant

## Ordering Information

Substitute standard length in place of "X's" in part numbers. Additional lengths and connectors are available.

005 = 5 feet / 1.5 meters  
 010 = 10 feet / 3.0 meters  
 025 = 25 feet / 7.6 meters  
 050 = 50 feet / 15.2 meters  
 100 = 100 feet / 30.5 meters

### 25-Pair Shielded T1/100-Ohm Cables

|                     |                     |
|---------------------|---------------------|
| Single-ended male   | 925-2103-0001-XXX   |
| Single-ended female | 925-2203-0001-XXXRC |
| Double-ended male   | 925-2333-0001-XXX   |
| Double-ended female | 925-2433-0001-XXXRC |
| Male-to-female      | 925-2533-0001-XXXRC |

### 28-Pair Shielded T1/100-Ohm Cables

|                     |                     |
|---------------------|---------------------|
| Single-ended male   | 928-2104-0001-XXX   |
| Single-ended female | 928-2204-0001-XXXRC |
| Double-ended male   | 928-2344-0001-XXX   |
| Double-ended female | 928-2444-0001-XXXRC |
| Male-to-female      | 928-2544-0001-XXXRC |

### 32-Pair Shielded T1/100-Ohm Cables

|                     |                     |
|---------------------|---------------------|
| Single-ended male   | 932-2104-0001-XXX   |
| Single-ended female | 932-2204-0001-XXXRC |
| Double-ended male   | 932-2344-0001-XXX   |
| Double-ended female | 932-2444-0001-XXXRC |
| Male-to-female      | 932-2544-0001-XXXRC |

### 32-Pair Unshielded T1/100-Ohm Cables

|                     |                     |
|---------------------|---------------------|
| Single-ended male   | 932-2104-1000-XXXRC |
| Single-ended female | 932-2204-1000-XXXRC |
| Double-ended male   | 932-2344-1000-XXX   |
| Double-ended female | 932-2444-1000-XXXRC |
| Male-to-female      | 932-2544-1000-XXXRC |

### 25-Pair Unshielded Switchboard Cables

|                     |                     |
|---------------------|---------------------|
| Single-ended male   | 925-2103-1000-XXXRC |
| Single-ended female | 925-2203-1000-XXXRC |
| Double-ended male   | 925-2333-1000-XXXRC |
| Double-ended female | 925-2433-1000-XXXRC |

## Cable Assemblies for T1/DS1 Backhaul Demarcation Panels

### 2-Pair Patch Cords, RJ48C Wiring Scheme

|             |                   |
|-------------|-------------------|
| 3' / 0.9 m  | 902-23DD-0004-003 |
| 5' / 1.5 m  | 902-23DD-0004-005 |
| 10' / 3 m   | 902-23DD-0004-010 |
| 15' / 4.6 m | 902-23DD-0004-015 |

### 2-Pair RJ48C Patch Cords, Crossover Wiring Scheme

|             |                   |
|-------------|-------------------|
| 3' / 0.9 m  | 902-23DD-0016-003 |
| 5' / 1.5 m  | 902-23DD-0016-005 |
| 10' / 3 m   | 902-23DD-0016-010 |
| 15' / 4.6 m | 902-23DD-0016-015 |

### Shielded 28-Pair T1 Patch Cords, Single-Ended Male

|            |                   |
|------------|-------------------|
| 6' / 1.8 m | 928-2104-0009-006 |
| 6' / 1.8 m | 928-2104-0019-006 |

# Plugs, Wire & Other DSX Accessories



Bantam Looping Plug  
(040-3000-0000RC)



Phoney Plug  
(101235-1)



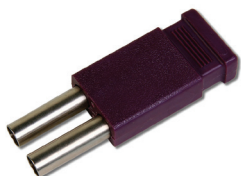
Bantam Circuit Guard Plug  
(101222-2)



Coax Patch Cord BNC Tool  
(097197)



Patch Adapter,  
Mini-WECO-to-BNC  
(083045)



Standard WECO Looping Plug  
(096032)



Pin Plug  
(102147)



Standard WECO Plug  
(PLG-SW-BLK)

## Features

- Complete your installation with copper accessories from Telect
- Looping and termination plugs are nickel-plated for better metal-to-metal contact and longer plug life
- All accessories are RoHS compliant

## T1/DS1

| Description                                      | Part Number     |
|--------------------------------------------------|-----------------|
| DS1 cross-connect wire, 1,000' reel              | 060115RC        |
| Bantam looping plug, blue                        | 040-3000-0000RC |
| Dedicated digital jack termination plug, 100-ohm | 040-5000-0100   |
| Phoney plugs, 20-pack, black                     | 101235-1        |
| Phoney plugs, 20-pack, red                       | 101235-3        |
| Bantam circuit guard plugs, 20-pack, red         | 101222-3        |
| Bantam circuit guard plugs, 20-pack, black       | 101222-2        |
| Bantam circuit guard plugs, 20-pack, white       | 101222-1        |

## T3/DS3

| Description                                                             | Part Number   |
|-------------------------------------------------------------------------|---------------|
| Coax patch cord BNC insertion and removal tool                          | 097197        |
| Patch adapter, mini-WECO-to-BNC                                         | 083045        |
| Patch adapter, standard WECO-to-BNC                                     | 083046        |
| Mini-WECO looping plug                                                  | 301291        |
| Mini-WECO terminating plug                                              | 100293        |
| Standard WECO looping plug                                              | 096032        |
| Pin plugs, 50-pack, red (recommended for BCS II, solder or crimp style) | 102147        |
| Pin plugs, 50-pack, red (large twist-on style)                          | 096027        |
| Mini-WECO circuit guard plugs, 50-pack, black                           | PLG-MW-BLK    |
| Mini-WECO circuit guard plugs, 50-pack, white                           | PLG-MW-WHT    |
| Standard WECO circuit guard plugs, 50-pack, black                       | PLG-SW-BLK    |
| Designation card holder                                                 | 099-3200-0008 |



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| 482-0000-040 .....       | C-31 | 928-2104-0009-006 .....    | C-37 | ELF-3206-1900 .....   | C-16 |                    |      |
| 482-0000-060 .....       | C-31 | 928-2104-0019-006 .....    | C-37 | ELF-9704-1119 .....   | C-16 |                    |      |
| 482-2064-353 .....       | C-31 | 928-2204-0001-XXXRC C-37   |      | ELF-9716-1700 .....   | C-16 |                    |      |
| 484-2064-140 .....       | C-30 | 928-2344-0001-XXX .....    | C-37 | ELF-9716-1900 .....   | C-16 |                    |      |
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| 710-1001-1002-U .....    | C-26 | 932-2204-1000-XXXRC C-37   |      | ELF-SP12-SCPT .....   | C-16 |                    |      |
| 710-1001-1301-E .....    | C-26 | 932-2344-0001-XXX .....    | C-37 | EPCE-CAT6-BL03 .....  | C-35 |                    |      |
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| 710-1001-2001-U .....    | C-26 | 932-2444-0001-XXXRC C-37   |      | EPCE-CAT6-BL07 .....  | C-35 |                    |      |
| 710-1001-2002-U .....    | C-26 | 932-2444-1000-XXXRC C-37   |      | EPCE-CAT6-BL10 .....  | C-35 |                    |      |
| 710-1001-2301-E .....    | C-26 | 932-2544-0001-XXXRC C-37   |      | EPCE-CAT6-BL15 .....  | C-35 |                    |      |
| 710-1001-2302-E .....    | C-26 | 932-2544-0015-006RC . C-30 |      | EPCE-CAT6-BL20 .....  | C-35 |                    |      |
| 710-3201-0002 .....      | C-18 | 932-2544-0015-010RC . C-30 |      | EPCE-CT5E-BL03 .....  | C-35 |                    |      |
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| 710-3201-1001-U .....    | C-26 | 999-0041-0001 .....        | C-29 | EPCE-CT5E-BL07 .....  | C-35 |                    |      |
| 710-3201-1002-U .....    | C-26 | 999-0041-0003 .....        | C-29 | EPCE-CT5E-BL10 .....  | C-35 |                    |      |
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| 710-3201-1302-E .....    | C-26 | 999-8400-0008 .....        | C-19 | EPCE-CT5E-BL20 .....  | C-35 |                    |      |
| 710-3201-2001-U .....    | C-26 | ACCE-6DX-DSBLK .....       | C-27 | EPPE-CAT6-24IDC ..... | C-28 |                    |      |
| 710-3201-2002-U .....    | C-23 | ACCE-6DX-SSBLK .....       | C-27 | EPPE-CAT6-24ILD ..... | C-28 |                    |      |
| 710-3201-2301-E .....    | C-26 | ACCE-10DX-DSBLK .....      | C-27 | EPPE-CAT6-48IDC ..... | C-28 |                    |      |
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| 902-23DD-0004-003 .....  | C-37 | ACCE-LBAR-23BLK .....      | C-27 | EPPE-CT5E-48IDC ..... | C-28 |                    |      |
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| 902-23DD-0004-010 .....  | C-37 | ACCE-MHTR-23BLK .....      | C-27 | EPPE-TRCR-MOD .....   | C-28 |                    |      |
| 902-23DD-0004-015 .....  | C-37 | ACCE-RG1U-19BLK .....      | C-27 | G82-0000-000 .....    | C-33 |                    |      |
| 902-23DD-0016-003 .....  | C-37 | ACCE-RG1U-23BLK .....      | C-27 | G82-0000-001 .....    | C-33 |                    |      |
| 902-23DD-0016-005 .....  | C-37 | ACCE-RG4U-19BLK .....      | C-27 | G82-0000-002 .....    | C-33 |                    |      |
| 902-23DD-0016-010 .....  | C-37 | ACCE-RG4U-23BLK .....      | C-27 | G82-0000-009 .....    | C-33 |                    |      |
| 902-23DD-0016-015 .....  | C-37 | DNX-XXXX .....             | C-13 | G82-1004-300 .....    | C-33 |                    |      |
| 925-2103-0001-XXX .....  | C-37 | E64-5001-1100RE .....      | C-11 | G82-2004-300 .....    | C-33 |                    |      |
| 925-2103-1000-XXXRC C-37 |      | E64-5001-1200RE .....      | C-11 | G85-0000-002 .....    | C-33 |                    |      |

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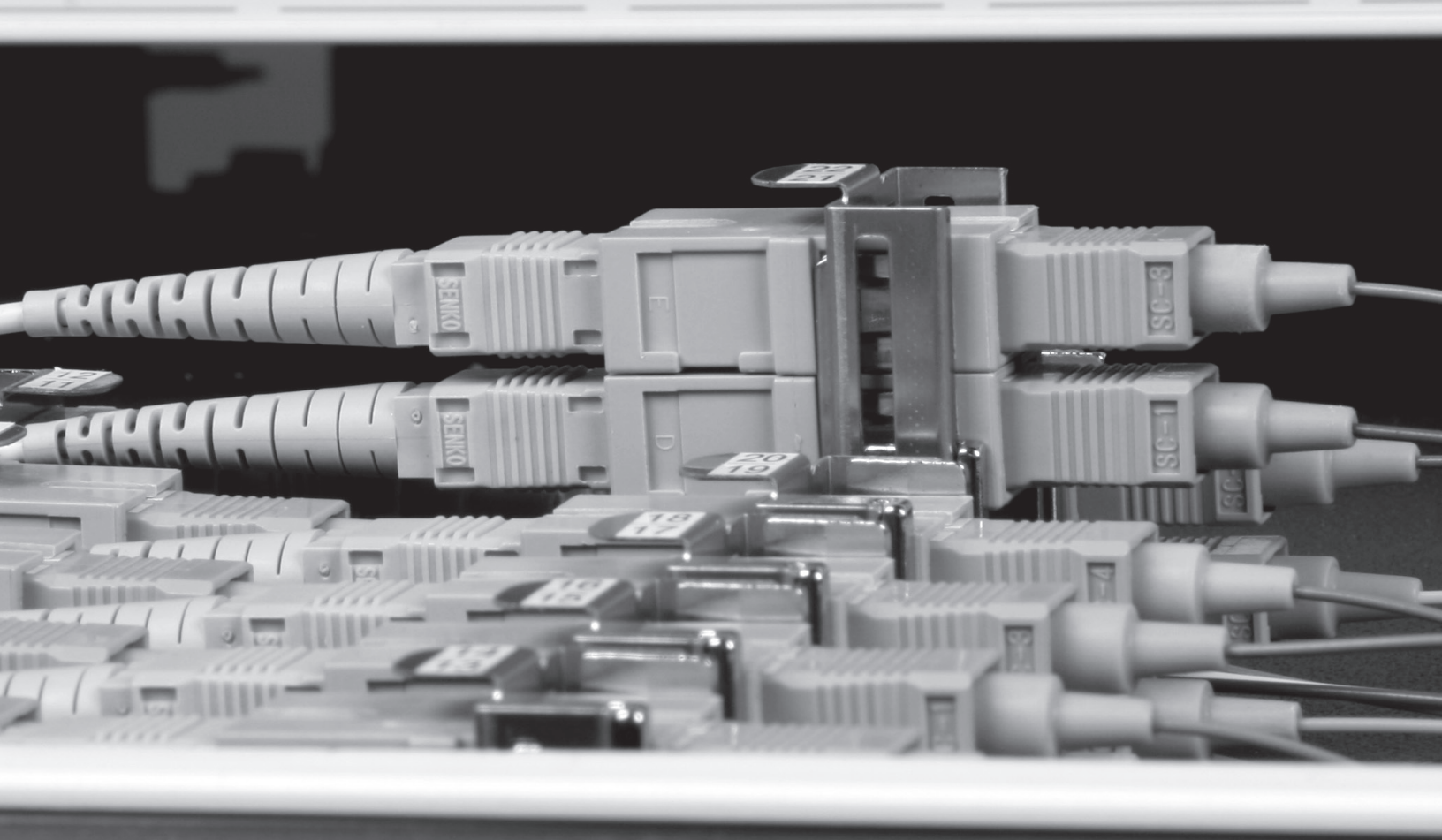
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# fiber

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# Product Selection Table

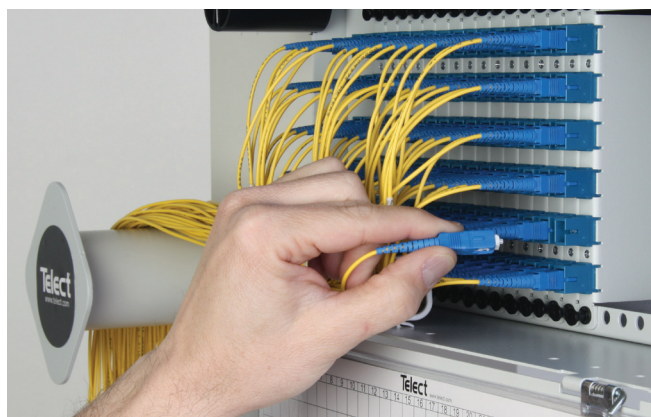
## Fiber Optic Distribution

| Product                                   | Capabilities            | Termination Count                                             | Circuit Access                       | Cable Management                                  | Compatibility                                                | Key Feature/<br>Application                                                                    |
|-------------------------------------------|-------------------------|---------------------------------------------------------------|--------------------------------------|---------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Bulkhead-Style Panels                     | Patch, splice, splitter | Up to 144 per 4 RU panel; 1,440 per frame                     | Front-panel ports                    | Entry and exit arcs and loops                     | Standard footprint                                           | Simple, cost-effective distribution in a standard footprint                                    |
| HDX High-Density Bulkhead Splitter Panels | Splitter                | Up to 32 modules/128 splitters per 4 RU panel                 | Front-panel ports                    | Entry and exit arcs and loops                     | Standard footprint                                           | Ultra high-density splitter capabilities in a standard bulkhead panel                          |
| Tray-Based Distribution, Rear Access      | Patch, splice, storage  | Up to 144 per 4 RU panel; 1,440 per frame                     | Elevating adapters                   | Sliding link chains and routing arcs inside trays | Fits in standard racks                                       | High level of scalability and cable management for standard racks                              |
| Tray-Based Distribution, Front Access     | Patch, splice, storage  | Up to 144 per 4 RU panel; 1,440 per frame                     | Elevating adapters                   | Sliding link chains and routing arcs inside trays | Fits in standard racks and ETSI front access cabinet         | Total front access to all terminations; compatible with EMEA standard practices                |
| High-Density Distribution Frame (ADF)     | Patch, splitter         | Up to 96 per module (144 with LC connectors); 2,304 per frame | Laterally rotating trays             | Arcs, spools, waterfalls, etc. throughout frame   | System-specific frame increases density and cable management | Ultimate high-density ODF; superior cable management and scalability                           |
| Wall-Mount Patch Panels                   | Patch, splice           | Up to 96 per panel                                            | Bulkhead-style ports; lockable doors | Spools inside panel                               | Wall-mountable                                               | Demarcation solution with separate provider and customer compartments; ideal for telco closets |
| 1 RU Modular Panels                       | Patch, splice           | Up to 36 per 1 RU panel                                       | Front-panel access                   | Rear-panel cable management bar                   | Fits in standard racks; wall-mountable                       | Compact network edge connectivity panel                                                        |

# HDX High-Density Bulkhead-Style Splitter Panels



HDX-FM4RU-230



High density doesn't have to compromise usability.

## Chassis and Accessories

| Description                                       | Module Capacity | Part Number   |
|---------------------------------------------------|-----------------|---------------|
| 4 RU Standard 23" chassis                         | 32              | HDX-M4RU-230  |
| 4 RU Standard 19" chassis                         | 24              | HDX-M4RU-190  |
| 4 RU ADC® FL-2000 compatible chassis, rear-mount  | 32              | HDX-FL4RU-230 |
| 4 RU ADC® FL-2000 compatible chassis, front-mount | 32              | HDX-FM4RU-230 |
| Cable management hook kit                         |                 | KIT-CMHOOK    |

Note: Additional module configurations are available. Typical usage for 60/20/20 splits include FTTx and other distribution applications. Typical 90/10 and 80/20 split usages include circuit monitoring.

## Splitter Modules

| Configuration | Ratio    | Position in Panel | Adapters | Part Number        |
|---------------|----------|-------------------|----------|--------------------|
| Dual 1x3      | 60/20/20 | Even              | SC/UPC   | HD56-4862-6161-SEN |
| Dual 1x3      | 60/20/20 | Odd               | SC/UPC   | HD56-4862-6161-SOD |
| Quad 1x3      | 60/20/20 | Even              | LC/UPC   | HD56-4Q62-5151-SEN |
| Quad 1x3      | 60/20/20 | Odd               | LC/UPC   | HD56-4Q62-5151-SOD |
| Triple 1x2    | 90/10    | Either            | SC/UPC   | HD56-4T19-6161-SEN |

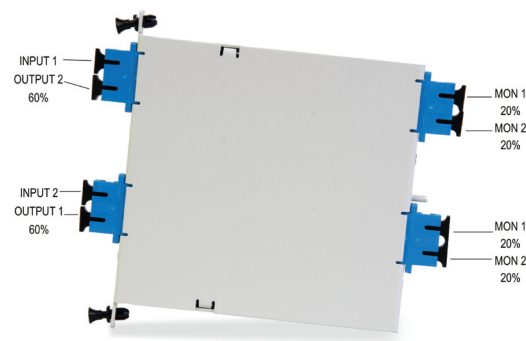
Ultra high-density splitting in a standard bulkhead footprint.

## Features

- Modular design enables simple scalability and cost management
- Up to 32 modules per panel (24 modules in a 19" chassis)
- Up to six ports on front and rear of module
- Up to four 1 x 2 splitters per module
- Maximum density of 128 splitters in a 4 RU chassis
- Compliant with all industry standards
- Custom splitter configurations available, contact Telect for details

## Specifications

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bandpass          | 1310/1550 $\pm$ 20 nm                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Directivity       | 50 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Insertion loss    | 50/50: $\leq$ 3.9/3.9 dB<br>55/45: $\leq$ 3.4/4.3 dB<br>60/40: $\leq$ 3.0/5.0 dB<br>65/35: $\leq$ 2.6/5.5 dB<br>70/30: $\leq$ 2.2/6.3 dB<br>75/25: $\leq$ 1.9/7.0 dB<br>80/20: $\leq$ 1.5/8.2 dB<br>85/15: $\leq$ 1.3/9.3 dB<br>90/10: $\leq$ 0.95/11.6 dB<br>95/5: $\leq$ 0.7/14.9 dB<br>33/33/33: $\leq$ 6.0/6.0/6.0 dB<br>25/25/25/25: (PLC) $\leq$ 7.5/7.5/7.5/7.5 dB<br>20/20/20/20/20: $\leq$ 9.0/9.0/9.0/9.0/9.0 dB<br>60/20/20: $\leq$ 3.2/8.8/8.8 dB |
| Polarization loss | 0.1 dB maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Return loss       | >55 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



60/20/20 Splitter

# LCX Bulkhead-Style Patch & Splice Panels



Full modularity allows users to grow into a panel, reducing up-front capital expense.

## Features

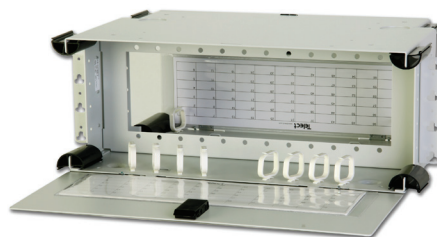
- SC, FC, LC and ST patch plates available
- High-density 144-termination panel occupies just 4 RU
- Standard footprint for integration of panels into new or existing applications or plan
- Reversible brackets to support 19" or 23" mounting, EIA/WECC
- Designation labels included
- Order pre-loaded with patch panels and pigtails

## Specifications

| Environmental     |                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------|
| Humidity          | 0 to 90%, non-condensing                                                                                          |
| Temperature       | -5 to 55 deg. C                                                                                                   |
| Mechanical        |                                                                                                                   |
| Material          | 4 RU, 3 RU, 2 RU panels: .080 aluminum;<br>bottom of panel is cold-rolled steel<br>1 RU panels: Cold-rolled steel |
| Panel width       | 1 RU: 15" (381 mm)<br>2 RU, 3 RU, 4 RU: 17" (432 mm)                                                              |
| Panel depth       | 11" (279 mm)                                                                                                      |
| Panel mounting    | 19", 23" or ETSI                                                                                                  |
| Compliance        |                                                                                                                   |
| Agency compliance | NEBS, ETSI, Zone 4 seismic reliability                                                                            |

## Patch Plates

| Description            | Part Number   |
|------------------------|---------------|
| <b>6-Port</b>          |               |
| SC/UPC                 | 055-0000-6010 |
| SC/APC                 | 055-0000-6070 |
| SC Multi-mode          | 055-0000-6020 |
| FC/UPC                 | 055-0000-2010 |
| FC/APC                 | 055-0000-2070 |
| ST/UPC                 | 055-0000-3010 |
| <b>8-Port</b>          |               |
| SC/UPC                 | 055-0000-6080 |
| SC/APC                 | 055-0000-6090 |
| FC/UPC                 | 055-0000-2080 |
| FC/APC                 | 055-0000-2090 |
| ST/UPC                 | 055-0000-3080 |
| <b>12-Port</b>         |               |
| LC/UPC                 | 055-0000-5010 |
| LC/APC                 | 055-0000-5070 |
| LC Multi-mode          | 055-0000-5012 |
| <b>Blank Faceplate</b> |               |
| White                  | 055-0000-9000 |



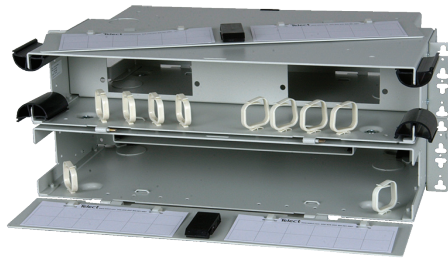
4 RU Modular Optical Patch Panel  
(LCX-M4RU)

## Patch Panels

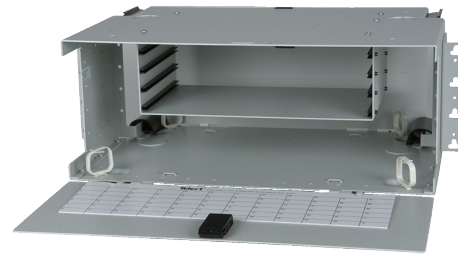
| Height                                                              | Patch Plates | Termination Capacity |                    |                     | Part Number |
|---------------------------------------------------------------------|--------------|----------------------|--------------------|---------------------|-------------|
|                                                                     |              | 6-Port Patch Plates  | 8-Port Patch Plate | 12-Port Patch Plate |             |
| 1 RU                                                                | 2            | 12                   | 16                 | 24                  | LCX-M1RU    |
| 2 RU                                                                | 4            | 24                   | 32                 | 48                  | LCX-M2RU    |
| 3 RU                                                                | 8            | 48                   | 64                 | 96                  | LCX-M3RU    |
| 4 RU                                                                | 12           | 72                   | 96                 | 144                 | LCX-M4RU    |
| 4 RU Fixed patch panel, equipped with 144 SC/UPC or SC/APC adapters |              |                      |                    |                     | LCX-P141U   |



# LCX Bulkhead-Style Patch & Splice Panels



4 RU Combination Patch and Splice Panel  
(LCX-C4RU)



4 RU Modular Optical Splice Panel  
(LCX-S4RU)

## Splice Panels

| Height                   | Maximum Splices | Splice Trays Required                | Part Number             |
|--------------------------|-----------------|--------------------------------------|-------------------------|
| 1 RU                     | 12              | 1 included (do not order additional) | LCX-S1RU                |
| 2 RU                     | 24              | 1                                    | LCX-S2RU                |
| 3 RU                     | 48              | 2                                    | LCX-S3RU                |
| 4 RU                     | 96              | 4                                    | LCX-S4RU                |
| 4 RU                     | 144             | 6 included                           | LCX-S141                |
| 24-Fiber splice cassette |                 |                                      | LCX-S-HSF (Image below) |

## Combination Patch and Splice Panels

| Height | Patch Plates | Splice Trays | Fiber Capacity | Part Number |
|--------|--------------|--------------|----------------|-------------|
| 2 RU   | 2            | 1 (included) | Up to 12       | LCX-C2RU    |
| 4 RU   | 4            | 1            | Up to 24       | LCX-C4RU    |
| 6 RU   | 8            | 2            | Up to 48       | LCX-C6RU    |
| 8 RU   | 12           | 4            | Up to 96       | LCX-C8RU    |

*Note: Total patch terminations and splice capacity per panel must match. Maximum capacity listed above is based on splice chassis capacity.*

## Accessories

| Description                        | Part Number    |
|------------------------------------|----------------|
| Splice sleeves, 12-pack            | KIT-SLEEVES    |
| Bonding/grounding kit              | KIT-BOND       |
| IFC cable clamp                    | KIT-CLMP       |
| 4 RU, Cable management hook, front | KIT-CMHOOK     |
| 4 RU, Cable management hook, rear  | KIT-CMRHOOK    |
| 3 RU, Cable management hook, front | KIT-CMHOOK3RU  |
| 3 RU, Cable management hook, rear  | KIT-CMRHOOK3RU |



24-Fiber Splice Cassette  
(LCX-S-HSF)



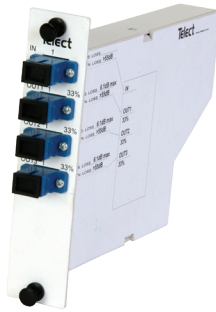
Splice Sleeves, 12 Pack  
(KIT-SLEEVES)



Bonding/grounding Kit  
(KIT-BOND)



# Splitter & WDM Modules



1x3 SC/UPC Splitter Module  
(056-1333-6161)

## Features

- Fits in all standard bulkhead-style fiber panels
- Robust design for durability and protection of circuits
- Up to 8 ports on the front, 4 on the rear
- Capacity: Four 1 x 2 splitters per module; maximum density of 48 splitters in a 4 RU panel
- WDM modules available in 1310/1550 nm options

**For different connectors, split ratios,  
or I/O/Monitor configurations,  
call Telect: 800.551.4567.**

**Non-intrusive fiber circuit testing and  
monitoring capabilities without  
sacrificing significant rack space.**

## Specifications

|                             |                   |                          |
|-----------------------------|-------------------|--------------------------|
| Insertion loss<br>(typical) | 50/50 %:          | ≤ 3.9/3.9 dB             |
|                             | 55/45 %:          | ≤ 3.4/4.3 dB             |
|                             | 60/40 %:          | ≤ 3.0/5.0 dB             |
|                             | 65/35 %:          | ≤ 2.6/5.5 dB             |
|                             | 70/30 %:          | ≤ 2.2/6.3 dB             |
|                             | 75/25 %:          | ≤ 1.9/7.0 dB             |
|                             | 80/20 %:          | ≤ 1.5/8.2 dB             |
|                             | 85/15 %:          | ≤ 1.3/9.3 dB             |
|                             | 90/10 %:          | ≤ 0.95/11.6 dB           |
|                             | 95/5 %:           | ≤ 0.7/14.9 dB            |
|                             | 33/33/33 %:       | ≤ 6.0/6.0/6.0 dB         |
|                             | 25/25/25/25 %:    | ≤ 7.5/7.5/7.5/7.5 dB     |
| Bandpass                    | 20/20/20/20/20 %: | ≤ 9.0/9.0/9.0/9.0/9.0 dB |
|                             | 60/20/20 %:       | ≤ 3.2/8.8/8.8 dB         |
|                             | 1310/1550         | +/-20 nm                 |
|                             | Directivity       | 50 dB                    |
|                             | Polarization loss | 0.1 dB (max.)            |
| Return Loss                 |                   | >55 dB (typical)         |

## Single Splitters

| Ratio | Splits         | Input | Output | Output 2 Monitor | Connectors | Part Number   |
|-------|----------------|-------|--------|------------------|------------|---------------|
| 1 x 2 | 90/10          | Front | Front  | Front            | SC/UPC     | 056-1219-6161 |
| 1 x 2 | 80/20          | Front | Front  | Front            | SC/UPC     | 056-1228-6161 |
| 1 x 2 | 50/50          | Front | Front  | Front            | SC/UPC     | 056-1255-6161 |
| 1 x 3 | 33/33/33       | Front | Front  | Front            | SC/UPC     | 056-1333-6161 |
| 1 x 4 | 25/25/25/25    | Front | Front  | Front            | SC/UPC     | 056-1625-6161 |
| 1 x 5 | 20/20/20/20/20 | Front | Front  | Front            | SC/UPC     | 056-1520-6161 |

## Dual Splitters

| Ratio | Splits | Input | Output | Output 2 Monitor | Connectors | Part Number   |
|-------|--------|-------|--------|------------------|------------|---------------|
| 1 x 2 | 90/10  | Front | Front  | Front            | SC/UPC     | 056-1419-6161 |
| 1 x 2 | 80/20  | Front | Front  | Front            | SC/UPC     | 056-1428-6161 |
| 1 x 2 | 50/50  | Front | Front  | Front            | SC/UPC     | 056-1455-6161 |
| 1 x 2 | 90/10  | Front | Front  | Rear             | SC/UPC     | 056-4419-6161 |
| 1 x 2 | 90/10  | Rear  | Front  | Front            | FC/UPC     | 056-7419-2121 |
| 1 x 2 | 90/10  | Rear  | Front  | Front            | LC/UPC     | 056-7419-5151 |
| 1 x 2 | 90/10  | Rear  | Front  | Front            | SC/UPC     | 056-7419-6161 |

## Quad Splitters

| Ratio | Splits | Input | Output | Output 2 Monitor | Connectors | Part Number   |
|-------|--------|-------|--------|------------------|------------|---------------|
| 1 x 2 | 90/10  | Front | Front  | Rear             | SC/UPC     | 056-4819-6161 |
| 1 x 2 | 80/20  | Front | Front  | Rear             | SC/UPC     | 056-4828-6161 |

## WDM Modules

| Configuration | Nm        | Input | Output | Output 2 Monitor | Connectors | Part Number   |
|---------------|-----------|-------|--------|------------------|------------|---------------|
| Single        | 1310/1550 | Front | Front  | Front            | SC/UPC     | 056-1A00-6161 |
| Dual          | 1310/1550 | Front | Front  | Front            | SC/UPC     | 056-1B00-6161 |

# Wall-Mount Fiber Patch Panels



Empty Wall-Mount Patch Panel  
(055-8832-5000)

## Panels

| Terminations | Patch Plates Capacity | Part Number   |
|--------------|-----------------------|---------------|
| 24           | 4                     | 055-8632-5000 |
| 48           | 8                     | 055-8832-5000 |
| 72           | 12 (6-port)           | 055-8232-5000 |
| 96           | 12 (8-port)           | 055-8432-5000 |

## Patch Plates

| Description            | Part Number     |
|------------------------|-----------------|
| <b>6-Port</b>          |                 |
| SC/UPC                 | 055-0000-6010   |
| SC/APC                 | 055-0000-6070   |
| SC Multi-mode          | 055-0000-6020   |
| FC/UPC                 | 055-0000-2010   |
| FC/APC                 | 055-0000-2070   |
| ST/UPC                 | 055-0000-3010   |
| <b>8-Port</b>          |                 |
| SC/UPC                 | 055-0000-6080   |
| SC/APC                 | 055-0000-6090   |
| FC/UPC                 | 055-0000-2080   |
| FC/APC                 | 055-0000-2090   |
| ST/UPC                 | 055-0000-3080   |
| <b>12-Port</b>         |                 |
| LC/UPC                 | 055-0000-5010   |
| LC/APC                 | 055-0000-5070   |
| LC Multi-mode          | 055-0000-5012   |
| <b>Blank Faceplate</b> |                 |
| White                  | 055-0000-9000   |
| Splice Tray            | 055-SPLICE-5000 |

Maximum management and protection of valuable fiber optic cable and circuits at the edge of a network.

## Features

- 24, 48, 72 or 96-termination space-saving configurations
- Cable storage and bend radius control engineered into panels
- Separate lockable doors for service and customer access control
- Easy installation, large designation area for each circuit
- Can order pre-loaded with pigtails

## Specifications

| Dimensions       |                                                               |
|------------------|---------------------------------------------------------------|
| 24-port panel    | 14.5" W x 14" H x 3.25" D<br>(368.3 mm x 355.6 mm x 82.6 mm)  |
| 48-port panel    | 14.5" W x 14" H x 5.25" D<br>(368.3 mm x 355.6 mm x 133.4 mm) |
| 72/96 port panel | 18.9" W x 23.6" H x 5.9 D<br>(480 mm x 600 mm x 150 mm)       |
| Weight           | 6 lbs. (2.7 kg)                                               |
| Material         | Aluminum                                                      |
| Color            | White                                                         |
| Environmental    |                                                               |
| Humidity         | 0 to 90%, non-condensing                                      |
| Temperature      | -5 to 55 deg. C                                               |



## Additional Items

| Description           | Part Number |
|-----------------------|-------------|
| Bonding/grounding kit | KIT-BOND    |



(KIT-BOND)

# 1 RU/Network Edge Modular Panel (ELF)



1 RU 3 Module Chassis  
(ELF-0000-2400)



Wall-Mount 1 Module Chassis  
(ELF-0000-0800)

Designed for high-density, low circuit count environments—including fiber patch and combo modules.

## Features

- Ideal for remote sites, wireless sites, huts or other limited-space applications
- Basic fiber connectivity in the smallest footprint
- Three modules fit in the standard 1 RU chassis
- Single module can be housed in the wall-mount unit
- Mounting brackets suitable for 19" and 23" EIA and WECO racks
- Can order pre-loaded with pigtails

## Chassis

| Description                 | Part Number   |
|-----------------------------|---------------|
| 1 RU/3-module chassis       | ELF-0000-2400 |
| Wall-mount/1-module chassis | ELF-0000-0800 |
| Blank faceplate             | ELF-0000-0001 |

## Modules

| Terminations | Function       | Connectors | Part Number   |
|--------------|----------------|------------|---------------|
| 12           | Patch          | SC/UPC     | ELF-PC12-SC00 |
| 12           | Patch & Splice | SC/UPC     | ELF-SP12-SCPT |
| 12           | Patch          | FC/UPC     | ELF-PC12-FC00 |
| 12           | Patch & Splice | FC/UPC     | ELF-SP12-FCPT |
| 24           | Patch          | LC/UPC     | ELF-PC24-LC00 |



12-Term. SC/UPC Patch and Splice Module  
(ELF-SP12-SCPT)



12-Term. SC/UPC Patch Module  
(ELF-PC12-SC00)



12-Term. FC/UPC Patch and Splice Module  
(ELF-SP12-FCPT)



12-Term. FC/UPC Patch Module  
(ELF-PC12-FC00)

See the Copper Connectivity catalog or Telect.com for more 1 RU modules.

# Tray-Based Fiber Distribution—Case Study

When a Canadian communications service provider set out to deploy new central office sites in five major cities across the nation, distributing and managing fiber optic traffic was a key concern.

Because of the amount of data — and therefore, revenue — streaming through the provider's optical network, deploying the most efficient and effective central distribution point for fiber optics took on great significance.

## The Situation

In this case, the service provider targeted five metropolitan locations for new telephony-focused central offices. In each site, standards called for a minimum of 1,400 optical terminations per frame, in a standard footprint. As in most central offices, the goal was to not only manage the traffic, but also to maximize available space with the highest density solution possible.

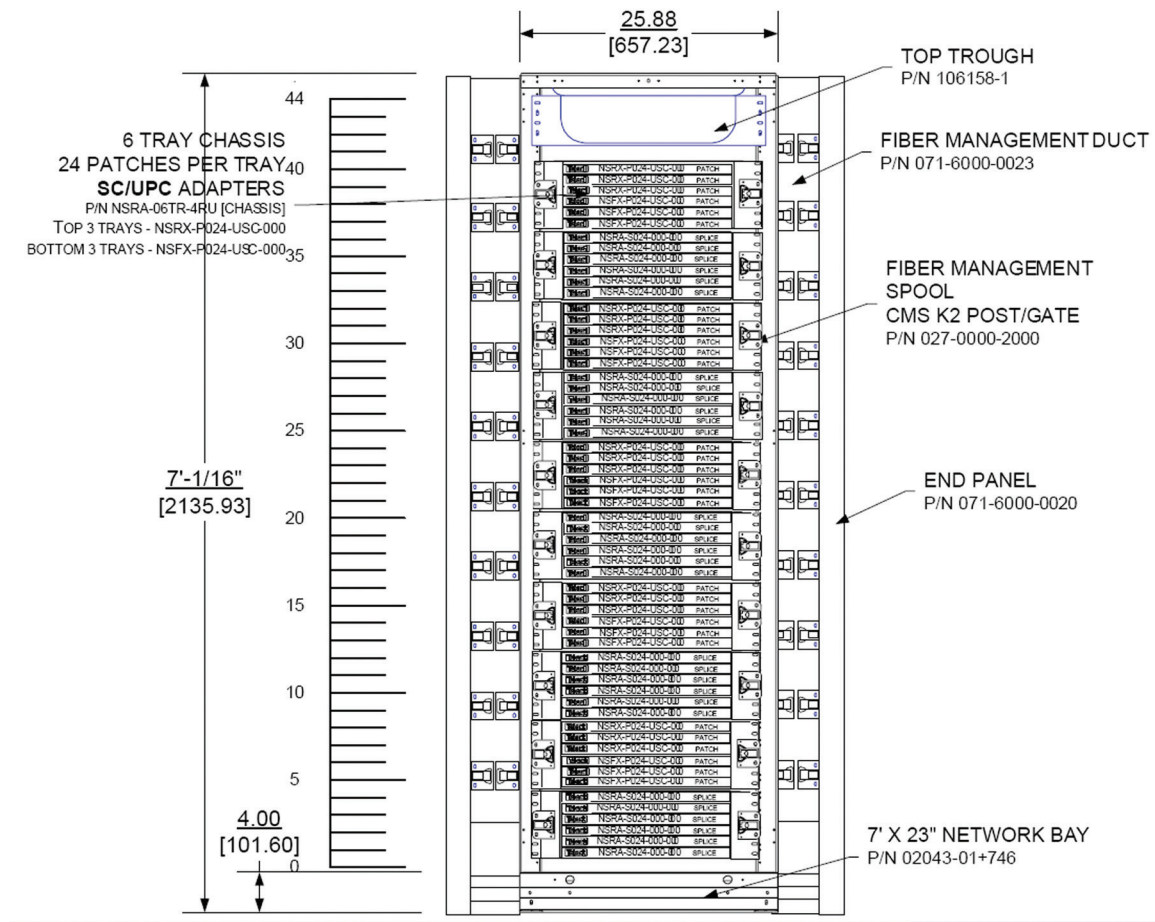
## The Solution: Telect Tray-Based ODFs

Telect provided a high-density optical distribution frame (ODF) featuring a tray-based distribution platform (see drawing below). Each frame houses 720 patches and 720 splices, for a total termination capacity of 1,440, all in a standard 19-inch equipment rack.

Based on capacity requirements of each location, the service provider installed either two or four frames.

The multifunctional (patch and splice) design enabled the provider to scale ODF deployment as required; a single frame, for example, could serve a smaller application area and still maintain full patch and splice functionality in a single repeatable solution.

*Details on Telect's tray-based solutions are on the following pages. To read the complete case study, visit [www.telect.com](http://www.telect.com).*



Sample Configuration

# Tray-Based Fiber Distribution, Rear Access



4 RU Chassis with Six Trays



4 RU Chassis  
(NSRA-06TR-4RU)

Designed for locations where fiber drops or regular maintenance and rear access is required.

## Features

- System provides an optimal blend of high density, cable management and simplified usage
- Rear access with side entry/exit for cable
- Fits open-style racks used in North American applications
- Advanced bend radius protection, port isolation and defined cable paths provide simple access to targeted ports
- Patented fiber management chains maintain cable bend radius and protect each fiber as trays are accessed
- Elevating adapters increase accessibility to individual circuits, maximizing usable space while protecting others
- Scalable from 12 to 144 fiber terminations in a single chassis
- Order with multifiber cable pre-terminated at the factory for increased reliability and reduced installation time
- Build a system to fit the specifics of your application — start with a chassis and add individual patch, splice and storage trays
- Standard chassis color is Telect white
- 19" mounting brackets included; 23" ordered separately

## Chassis

| Description              | Part Number   |
|--------------------------|---------------|
| 4 RU high/6-tray chassis | NSRA-06TR-4RU |
| 3 RU high/4-tray chassis | NSRA-04TR-3RU |
| 1 RU high/1-tray chassis | NSRA-01TR-1RU |

## 24-Fiber Storage Trays

| Description                       | Part Number |
|-----------------------------------|-------------|
| Total Rear Access                 | NSRA-STOR   |
| Left Rear Entry, Right Front Exit | NSRX-STOR   |
| Left Front Entry, Right Rear Exit | NSFX-STOR   |

## Splice Trays

| Description                              | Part Number       |
|------------------------------------------|-------------------|
| <i>Total Rear Access</i>                 |                   |
| 12-fiber splice tray                     | NSRA-S012-000-000 |
| 24-fiber splice tray                     | NSRA-S024-000-000 |
| <i>Left Rear Entry, Right Front Exit</i> |                   |
| 12-fiber splice tray                     | NSRX-S012-000-000 |
| 24-fiber splice tray                     | NSRX-S024-000-000 |
| <i>Left Front Entry, Right Rear Exit</i> |                   |
| 12-fiber splice tray                     | NSFX-S012-000-000 |
| 24-fiber splice tray                     | NSFX-S024-000-000 |

## Specifications

| Chassis Dimensions          |                                                       |
|-----------------------------|-------------------------------------------------------|
| 4 RU                        | 19" W x 7" H x 10.4" D<br>483 mm x 178 mm x 264 mm    |
| 3 RU                        | 19" W x 5.25" H x 10.4" D<br>483 mm x 133 mm x 264 mm |
| 1 RU                        | 19" W x 1.75" H x 10.4" D<br>483 mm x 44 mm x 264 mm  |
| Connections                 |                                                       |
| Termination count           | Up to 144 per chassis                                 |
| Termination type            | SC, FC, LC                                            |
| Supported multifiber cables | IFC                                                   |
| Supported patch cables      | Simplex or duplex, 3 mm and 2 mm                      |
| Environmental               |                                                       |
| Humidity                    | 0 to 90%, non-condensing                              |
| Temperature                 | -5 to 55 deg. C                                       |
| Mechanical                  |                                                       |
| Minimum bend radius         | 30 mm throughout system                               |
| Laser radiation protection  | Adapter location prevents exposure                    |



# Tray-Based Fiber Distribution, Rear Access

## Patch Trays

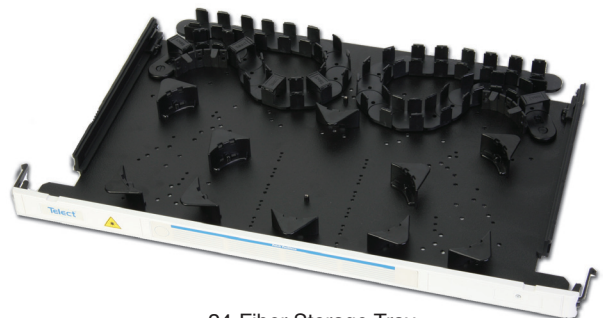
| Connectors                               | Capacity | Part Number       |
|------------------------------------------|----------|-------------------|
| <i>Total Rear Access</i>                 |          |                   |
| SC/APC                                   | 12-port  | NSRA-P012-ASC-000 |
|                                          | 24-port  | NSRA-P024-ASC-000 |
| SC/UPC                                   | 12-port  | NSRA-P012-USC-000 |
|                                          | 24-port  | NSRA-P024-USC-000 |
| FC/UPC                                   | 12-port  | NSRA-P012-UFC-000 |
|                                          | 24-port  | NSRA-P024-UFC-000 |
| LC/APC                                   | 12-port  | NSRA-P012-ALC-000 |
|                                          | 24-port  | NSRA-P024-ALC-000 |
| LC/UPC                                   | 12-port  | NSRA-P012-ULC-000 |
|                                          | 24-port  | NSRA-P024-ULC-000 |
| <i>Left Rear Entry, Right Front Exit</i> |          |                   |
| SC/APC                                   | 12-port  | NSRX-P012-ASC-000 |
|                                          | 24-port  | NSRX-P024-ASC-000 |
| SC/UPC                                   | 12-port  | NSRX-P012-USC-000 |
|                                          | 24-port  | NSRX-P024-USC-000 |
| FC/UPC                                   | 12-port  | NSRX-P012-UFC-000 |
|                                          | 24-port  | NSRX-P024-UFC-000 |
| LC/APC                                   | 12-port  | NSRX-P012-ALC-000 |
|                                          | 24-port  | NSRX-P024-ALC-000 |
| LC/UPC                                   | 12-port  | NSRX-P012-ULC-000 |
|                                          | 24-port  | NSRX-P024-ULC-000 |
| <i>Left Front Entry, Right Rear Exit</i> |          |                   |
| SC/APC                                   | 12-port  | NSFX-P012-ASC-000 |
|                                          | 24-port  | NSFX-P024-ASC-000 |
| SC/UPC                                   | 12-port  | NSFX-P012-USC-000 |
|                                          | 24-port  | NSFX-P024-USC-000 |
| FC/UPC                                   | 12-port  | NSFX-P012-UFC-000 |
|                                          | 24-port  | NSFX-P024-UFC-000 |
| LC/APC                                   | 12-port  | NSFX-P012-ALC-000 |
|                                          | 24-port  | NSFX-P024-ALC-000 |
| LC/UPC                                   | 12-port  | NSFX-P012-ULC-000 |
|                                          | 24-port  | NSFX-P024-ULC-000 |

## Accessories

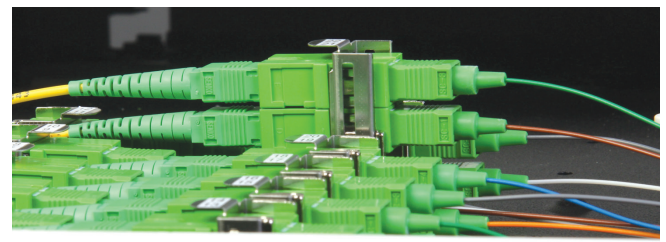
| Description                             | Part Number |
|-----------------------------------------|-------------|
| 4 RU chassis mounting bracket kit (23") | 305419      |
| 3 RU chassis mounting bracket kit (23") | 305420      |
| 1 RU chassis mounting bracket kit (23") | 02117-01    |



24-Fiber Splice Tray  
(NSRA-S024-000-000)



24-Fiber Storage Tray  
(NSRA-STOR)



Elevating Adapters

# Tray-Based Fiber Distribution, Total Front Access



4 RU Chassis  
(ESTF-06TR-4RU)



24-Port Patch Tray  
(ESTF-P024-USC-000)



12-Fiber Splice Tray  
(ESTF-S012-000-000)



4 RU Chassis with Six Trays

Ideal for central office fiber applications that require total front access.

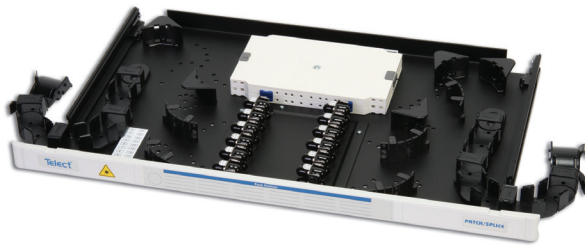
## Features

- System provides an optimal blend of high density, cable management and simplified usage
- Total front access to all fiber optic cabling
- An ideal fit in locations where fiber adds, drops or regular maintenance and total front access is required
- Heavily adopted in fiber bay and cabinet applications
- Advanced bend radius protection, port isolation and defined cable paths provide simple access to targeted ports
- Patented fiber management chains maintain cable bend radius and protect each fiber as trays are accessed
- Elevating adapters increase accessibility to individual circuits, maximizing usable space while protecting others
- Scalable from 12 to 144 fiber terminations in a single chassis
- Order with multifiber cable pre-terminated at the factory for increased reliability and reduced installation time
- Build a system to fit the specifics of your application — start with a chassis and add individual patch, splice and storage trays
- Standard chassis color is Telect black

## Specifications

| Chassis Dimensions          |                                                          |
|-----------------------------|----------------------------------------------------------|
| 4 RU Chassis                | 17.5" W x 6.9" H x 10.4" D<br>(445 mm x 175 mm x 264 mm) |
| 3 RU Chassis                | 17.5" W x 5.3" H x 10.4" D<br>(445 mm x 134 mm x 264 mm) |
| 2 RU Chassis                | 17.5" W x 3.4" H x 10.4" D<br>(445 mm x 86 mm x 264 mm)  |
| 1 RU Chassis                | 17.5" W x 1.7" H x 10.4" D<br>(445 mm x 42 mm x 264 mm)  |
| Mechanical                  |                                                          |
| Minimum bend radius         | 30 mm throughout system                                  |
| Laser radiation protection  | Adapter location prevents exposure                       |
| Connections                 |                                                          |
| Termination count           | 12 to 144 per chassis, 1440 per cabinet                  |
| Termination type            | SC, FC, ST, LC                                           |
| Supported multifiber cables | OSP and IFC                                              |
| Supported patch cables      | Simplex or duplex 3 mm and 2 mm                          |
| Environmental               |                                                          |
| Humidity                    | 0 to 90%, non-condensing                                 |
| Temperature                 | -5° to 55° C                                             |
| Agency                      | Tested to ETSI specifications                            |

# Tray-Based Fiber Distribution, Total Front Access



24-port Patch & Splice (Combo) Tray  
(ESTF-C024-USC-000)



## Chassis

| Description              | Part Number   |
|--------------------------|---------------|
| 4 RU high/6-tray chassis | ESTF-06TR-4RU |
| 3 RU high/4-tray chassis | ESTF-04TR-3RU |
| 2 RU high/3-tray chassis | ESTF-03TR-2RU |
| 1 RU high/1-tray chassis | ESTF-01TR-1RU |

## Patch Trays

| Connectors | 12-Port           | 24-Port           |
|------------|-------------------|-------------------|
| SC/UPC     | ESTF-P012-USC-000 | ESTF-P024-USC-000 |
| SC/APC     | ESTF-P012-ASC-000 | ESTF-P024-ASC-000 |
| FC/UPC     | ESTF-P012-UFC-000 | ESTF-P024-UFC-000 |
| LC/UPC     | ESTF-P012-ULC-000 | ESTF-P024-ULC-000 |
| LC/APC     | ESTF-P012-ALC-000 | ESTF-P024-ALC-000 |

## Splice Trays

| Description          | Part Number       |
|----------------------|-------------------|
| 12-fiber splice tray | ESTF-S012-000-000 |
| 24-fiber splice tray | ESTF-S024-000-000 |

## Combination Patch + Splice Trays

| Connectors | 12-Port           | 24-Port           |
|------------|-------------------|-------------------|
| SC/UPC     | ESTF-C012-USC-000 | ESTF-C024-USC-000 |
| SC/APC     | ESTF-C012-ASC-000 | ESTF-C024-ASC-000 |
| FC/UPC     | ESTF-C012-UFC-000 | ESTF-C024-UFC-000 |
| LC/UPC     | ESTF-C012-ULC-000 | ESTF-C024-ULC-000 |
| LC/APC     | ESTF-C012-ALC-000 | ESTF-C024-ALC-000 |

## Storage Tray

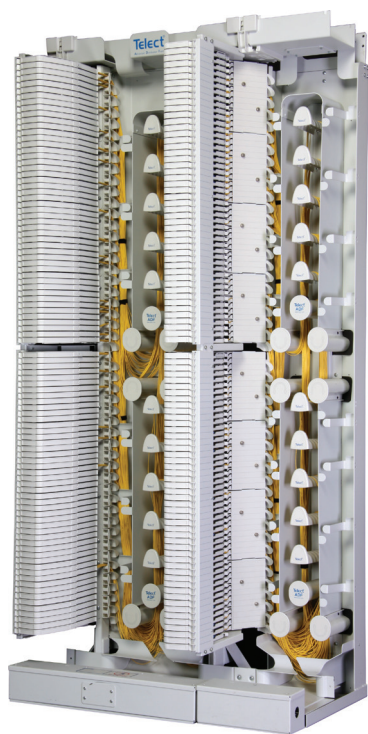
| Description           | Part Number |
|-----------------------|-------------|
| 24-fiber storage tray | ESTR        |

## Accessories

| Description                          | Part Number       |
|--------------------------------------|-------------------|
| 130 mm spool                         | E-KIT-SPOOL-130MM |
| 35 mm gate half-spool                | 027-0000-2000     |
| Tray removal tool                    | 129461-1          |
| 5mm bend limiting tube, 5m long      | E900C-BKBLT5      |
| 24-tube OSP breakout kit             | E900C-BK24M       |
| 4-tube OSP breakout kit              | E900C-BK4         |
| 12 heat shrink fusion splice sleeves | KIT-SLEEVES       |



# High-Density Fiber Distribution Frames (ADF™)



Engineered for high-density central office applications, Telect's ADF provides optimal fiber protection and access.

## Features

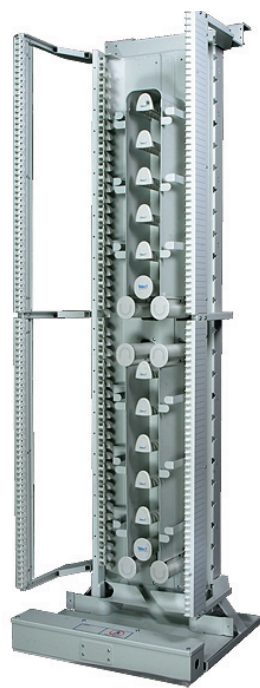
- Industry-leading termination density: 1152, 1536 or 2304 (LC) terminations
- Unique slide-out trays house fiber terminations
- Modular construction enables scalability and customization
- Standard frame footprint for existing or new applications.
- All cable paths manage 30 mm bend radius protection
- Total front access permits single craftsperson operation with no patch cord "fishing" or blind cable pulls
- 4.5-meter patch cord cross-connects any two points within a frame
- Can order pre-loaded with fiber cables

## Specifications

| Dimensions             |                                                      |
|------------------------|------------------------------------------------------|
| Frame                  | 26" W x 84" H x 24" D<br>(660 mm x 2134 mm x 610 mm) |
| Interbay storage panel | 12" W x 84" H x 24" D<br>(305 mm x 2134 mm x 610 mm) |
| End panel              | 5" W x 84" H x 24" D<br>(127 mm x 2134 mm x 610 mm)  |
| Mechanical             |                                                      |
| Frame                  | 215 lbs. (97.5 kg)                                   |
| Interbay storage panel | 110 lbs. (49.9 kg)                                   |
| End panel              | 50 lbs. (22.7 kg)                                    |
| Material               | Steel                                                |
| Color                  | White                                                |
| Environmental          |                                                      |
| Humidity               | 0 to 90%, non-condensing                             |
| Temperature            | -5 to 55 deg. C                                      |

## Frame System

| Description                                                    | Part Number   |
|----------------------------------------------------------------|---------------|
| <b>North American System</b>                                   |               |
| Standard 26" base frame, overhead cable entry                  | ADF-26F-XI    |
| 12" Interbay storage panel                                     | ADF-12INT-XI  |
| 5" End panel                                                   | ADF-26EP      |
| <b>ETSI Standard</b>                                           |               |
| Standard 600 mm x 600 mm x 2200 mm frame, overhead cable entry | ADF-600F-XI   |
| 300 mm Interbay storage panel                                  | ADF-300INT-XI |
| 127 mm End panel                                               | ADF-300EP     |

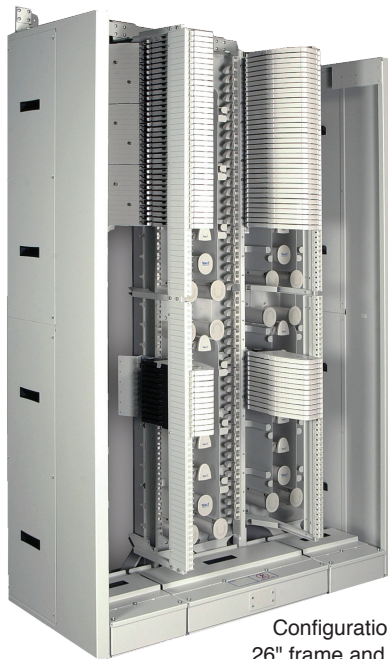


Standard 26" Frame  
(ADF-26F-XI)



12" Interbay Storage Panel  
(ADF-12INT-XI)

# High-Density Fiber Distribution Frames (ADF™)



Configuration Example:  
26" frame and modules with  
storage panels on both ends

## Additional Items

| Description                                           | Part Number       |
|-------------------------------------------------------|-------------------|
| Anchoring kit for concrete, 26" frame                 | ADF-26ANCHOR      |
| Anchoring kit for concrete, 12" interbay panel        | ADF-12ANCHOR      |
| Anchoring kit for raised flooring, 26" frame          | ADF-26COMPFLR     |
| Anchoring kit for raised flooring, 12" interbay panel | ADF-12COMPFLR     |
| 26" x 24" frame isolation pad                         | ADF-26F-ISOPAD    |
| 5" x 24" end panel isolation pad                      | ADF-26EP-5-ISOPAD |



72-term SC/UPC Network Element  
Patch Module (ADF-N-1SCL)



72-term SC/UPC Fan-Out  
Patch Module (ADF-F-1SCL)



72-term SC/UPC Interfacility  
Patch Module (ADF-I-1SCL)  
\*Cables not included

## Network Element Patch Modules

| Terminations | Connectors | Side of Frame | Part Number |
|--------------|------------|---------------|-------------|
| 72           | SC/UPC     | Left          | ADF-N-1SCL  |
|              |            | Right         | ADF-N-1SCR  |
| 72           | SC/APC     | Left          | ADF-N-1SAL  |
|              |            | Right         | ADF-N-1SAR  |
| 96           | SC/UPC     | Left          | ADF-N-2SCL  |
|              |            | Right         | ADF-N-2SCR  |
| 96           | SC/APC     | Left          | ADF-N-2SAL  |
|              |            | Right         | ADF-N-2SAR  |
| 144          | LC/UPC     | Left          | ADF-N-3LCL  |
|              |            | Right         | ADF-N-3LCR  |

## Fan-Out Patch Modules

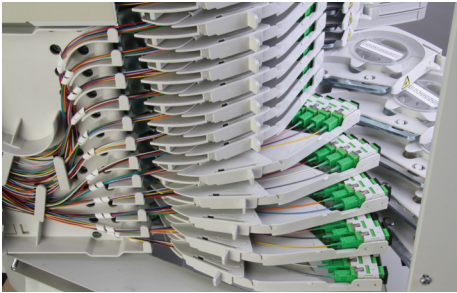
| Terminations | Connectors | Side of Frame | Part Number  |
|--------------|------------|---------------|--------------|
| 72           | SC/UPC     | Left          | ADF-F-1SCL   |
|              |            | Right         | ADF-F-1SCR   |
| 72           | SC/APC     | Left          | ADF-F-1SAL   |
|              |            | Right         | ADF-F-1SAR   |
| 96           | SC/UPC     | Left          | ADF-F-2SCL   |
|              |            | Right         | ADF-F-2SCR   |
| 96           | SC/APC     | Left          | ADF-F-2SAL   |
|              |            | Right         | ADF-F-2SAR   |
| 144          | LC/UPC     | Left          | ADF-F-3LCLRC |
|              |            | Right         | ADF-F-3LCRRC |

## Interfacility Modules

| Terminations | Connectors | Side of Frame | Part Number |
|--------------|------------|---------------|-------------|
| 72           | SC/UPC     | Left          | ADF-I-1SCL  |
|              |            | Right         | ADF-I-1SCR  |
| 72           | SC/APC     | Left          | ADF-I-1SAL  |
|              |            | Right         | ADF-I-1SAR  |
| 96           | SC/UPC     | Left          | ADF-I-2SCL  |
|              |            | Right         | ADF-I-2SCR  |
| 96           | SC/APC     | Left          | ADF-I-2SAL  |
|              |            | Right         | ADF-I-2SAR  |
| 144          | LC/UPC     | Left          | ADF-I-3LCL  |
|              |            | Right         | ADF-I-3LCR  |



# High-Density Fiber Distribution Frames (ADF™)



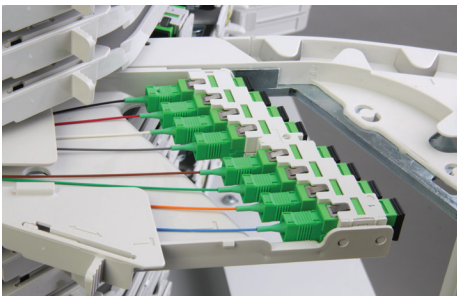
## Industry-leading density

Patch modules are comprised of high-density trays.



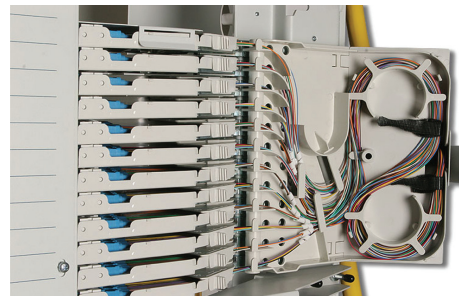
## 30mm bend radius protection

Spools, posts and arcs throughout the system maintain 30mm bend radius.



## Built-in eye protection from laser radiation

Tray design provides simple eye protection from exposed port laser radiation.



## Advanced cable management

Cable management is part of every ADF component, including the patch modules.



## Unmatched ease of use

Trays rotate outward for simple access. Cable management spools also enable easy deployment and ongoing usage.



## Standard length patch cords

Telect standardized on a single-length 4.5m patch cord for ADF cross connections to simplify the ordering process.



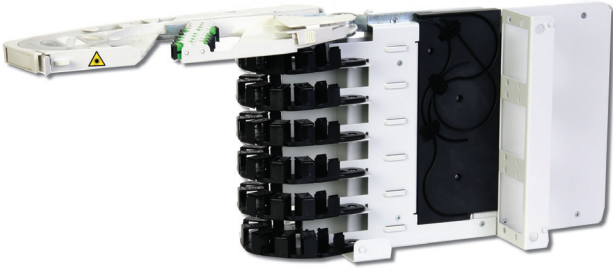
## Comprehensive design

Generous circuit designation areas enable fast, and more importantly, accurate circuit identification.

## Designed for safety compliance

The lightweight, heavy-duty ADF is engineered for Zone 4 earthquake reliability, no line-of-sight laser hazards, and flammability safety.

# Splitter Modules for the ADF™



Now you can gain the density, usability and cable management of the ADF in splitter applications. Telect's new splitter system for the ADF is an ideal solution for high-density FTTx/PON applications, providing a highly scalable and dynamic platform for delivering optical circuits to multiple end users.

## The Ultimate Splitter System for FTTx/PON Applications: Splitter Solutions for the ADF.

### Features

- High-count signal splits for high-bandwidth applications
- Ideal for PON architectures – mix high-density splitters, OLT inputs and backbone fiber in a single frame
- Function as a high-volume distribution point or as a standalone system in smaller locations
- Highly scalable – up to seven chassis per ADF side, total of 1,296 outputs maximum
- **Chassis:**
  - » Up to six 1x32 splitter modules; maximum of 192 output fibers
  - » Same footprint and installation as other ADF modules
  - » Internal cable management routes and protects fibers
- **Modules:**
  - » 1x32 or 1x16 splitter in a compact footprint
  - » 4.5-meter output fiber length standard
  - » Blue input fiber for easy recognition; all outputs individually labeled

### Specifications

| Performance       |                                                |
|-------------------|------------------------------------------------|
| Insertion Loss:   | <0.20 dB typical/.40 dB max. typical           |
| Return Loss:      | <-55 dB typical (UPC)<br><-65 dB typical (APC) |
| Mechanical        |                                                |
| Width             | 7.1" (180 mm)                                  |
| Height            | 10" (254 mm)                                   |
| Depth             | 20" (508 mm)                                   |
| Color             | White                                          |
| Termination count | Up to 6 inputs/192 outputs                     |

### Chassis

| Description | Part Number  |
|-------------|--------------|
| SC/APC      | ADF-P-MR0SCA |
| LC/APC      | ADF-P-MR0LCA |

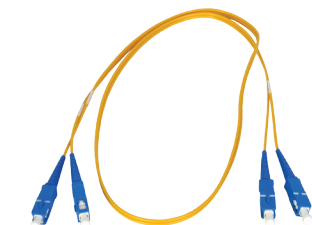
### Splitter Modules

| Description           | Part Number    |
|-----------------------|----------------|
| Passive 1x16, SC/APC  | ADF-P-S-SCA-16 |
| Passive 1x32, SC/APC  | ADF-P-S-SCA-32 |
| Passive 1x16, LC/APC  | ADF-P-S-LCA-16 |
| Passive, 1x32, LC/APC | ADF-P-S-LCA-32 |

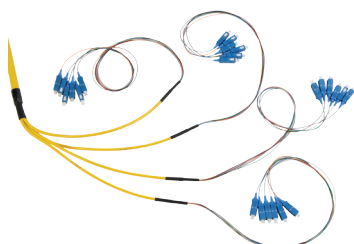
### Accessories

| Description             | Part Number |
|-------------------------|-------------|
| Connector parking panel | ADF-PRKL    |

# Fiber Optic Patch Cords & Multifiber Cable Assemblies



Single Mode 2 mm 1 m SC/UPC  
Duplex Cable  
(F14-SSG-M001-0)



24-Fiber 10m SC/UPC Multifiber Cable  
(F124S-SP-M010-STPT)

For standard configurations, part numbers, pricing and additional information, visit [Telect.com](http://Telect.com) or call 800.551.4567.

## Features

- Full line of patch cords, multifiber indoor cables (MIC), and outside plant (OSP) cables available
- Highest quality components for industry-leading performance and reliability
- Single mode (8/125) and multimode (50/125 or 62.5/125) options available
- Connector options include:
  - » SC/UPC
  - » SC/APC
  - » FC/UPC
  - » FC/APC
  - » LC/UPC
  - » LC/APC
  - » E2000/APC
  - » E2000/UPC
  - » ST/UPC
- Cable type options include:
  - » Riser
  - » Plenum
  - » Low smoke/zero halogen
  - » Bend-insensitive
- Hybrid cables (SC-FC, SC-ST, etc.) also available
- Custom lengths and breakouts available
- Telcordia GR-326 certified

## Specifications

| Performance             |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| Insertion loss          | 0.20 dB typical/.4 dB max                                            |
| Return loss             | -55 dB                                                               |
| Geometry                |                                                                      |
| Radius of curvature     | 7-25 mm                                                              |
| Apex offset             | 0-50 $\mu$ m                                                         |
| Radial fiber height     | -50 to +50 nm                                                        |
| Angular offset          | <0.3 degrees                                                         |
| Fiber roughness         | 0-25 nm                                                              |
| Ferrule roughness       | 0-50 $\mu$ m                                                         |
| Endface Defects         |                                                                      |
| Fiber core              | 0 nm <sup>2</sup>                                                    |
| Mode field diameter     | 0 nm <sup>2</sup>                                                    |
| Ferrule contact zone    | <10 nm <sup>2</sup>                                                  |
| Testing and inspection  | Lot sample                                                           |
| Epoxy                   |                                                                      |
| Temperature coefficient | 120 tg                                                               |
| Curing method           | Outgassed                                                            |
| Residual epoxy          | Not specified                                                        |
| Configuration Control   |                                                                      |
| Data tracking           | IL and RL data printed on each cable; data stored in Telect database |
| Serialization           | Each cable serialized                                                |

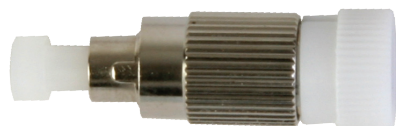
## Patch Cords

- Simplex and duplex cable available
- Outer jacket diameter options include:
  - » 900  $\mu$ m
  - » 1.7 mm
  - » 2.0 mm
  - » 3.0 mm

## Multifiber Cable Assemblies

- Stranded or ribbon MIC available
- Fiber count options include 2, 4, 6, 8, 12, 24, 36, 48, 60, 72, 96 and 144

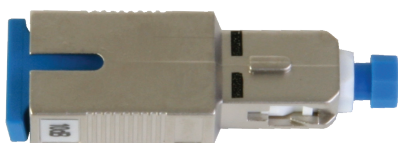
# Fiber Attenuators



3 dB FC Optical Attenuator  
(555-3030-003)



3 dB ST Optical Attenuator  
(555-3131-003)



3 dB SC Optical Attenuator  
(555-3333-003)

## Features

- Build out style in-line design
- Engineered and manufactured with continuous light absorbing, metal-ion doped fiber for greater environmental stability and better back reflection and noise performance
- Sold in packs of 10
- Environmentally stable over temperature, humidity and vibration
- High performance: low polarization dependent loss PDL
- Simple plug-in style enables rapid deployment
- Telcordia GR-910 compliant
- Wavelength independent: 1310/1550 nm
- Connector options include SC, ST, FC and LC

## Specifications

|                   |                                                        |
|-------------------|--------------------------------------------------------|
| Accuracy          | 1-10 dB: +/-1 dB typical<br>10-25 dB: +/-10%dB typical |
| Max input power   | 200 mW (+23 dBm)                                       |
| Polarization loss | <0.1 dB                                                |
| Return loss       | -55 dB typical                                         |



3 dB LC Optical Attenuator  
(555-3434-003)

| 10-Pack | SC           | FC           | ST           | LC           |
|---------|--------------|--------------|--------------|--------------|
| 3 dB    | 555-3333-003 | 555-3030-003 | 555-3131-003 | 555-3434-003 |
| 5 dB    | 555-3333-005 | 555-3030-005 | 555-3131-005 | 555-3434-005 |
| 10 dB   | 555-3333-010 | 555-3030-010 | 555-3131-010 | 555-3434-010 |
| 15 dB   | 555-3333-015 | 555-3030-015 | 555-3131-015 | 555-3434-015 |

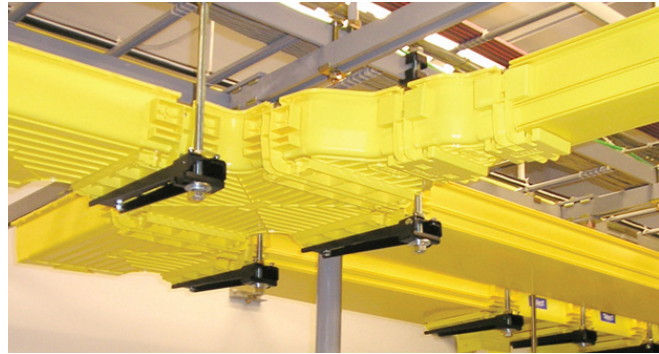


# Fiber Ducting

## Overview

Simplify your next cable management system installation with WaveTrax®, Telect's raceway-based system designed to reduce installation and material costs. WaveTrax combines solid trough and flexible links for the broadest range of components in the industry. Strong component construction reduces the number of brackets and junctions required. Snap-together assembly ensures that your system is installed quickly and correctly the first time.

WaveTrax includes trough, transitions, intersections, drops, reducers, coupling kits, and other components to help users create fully customizable, secure, and versatile cable routing paths between fiber distribution frames and terminal equipment.



## Sample Layout

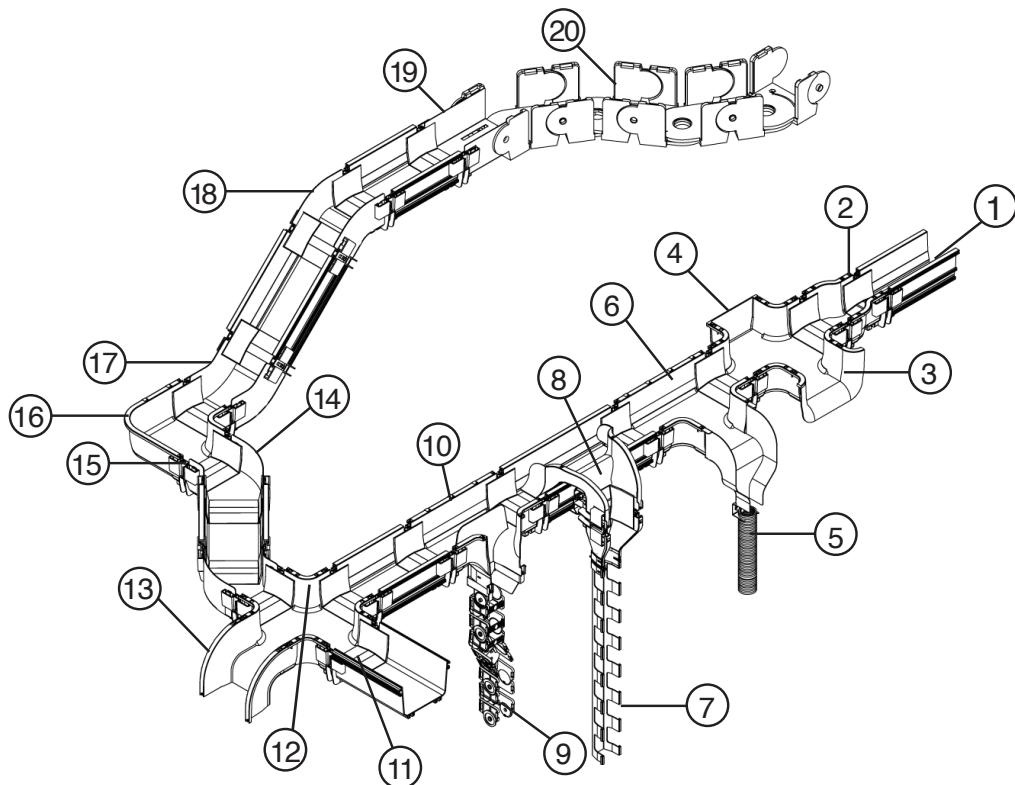
The image below provides a sampling of Telect's WaveTrax and CableLinks products and how they fit together in a non-standard configuration. With straight cable runs, various transitions, and drops into equipment racks, you can see how each of these pieces might fit into your horizontal and vertical cable management system. Different component sizes are available to fit the specific capacity requirements of virtually any application.

## Features

- Available in 2", 4", 6" and 12" widths
- All components maintain a minimum 2" bend radius
- Trough supports up to 175 lbs. at up to 6' intervals
- Easy reconfiguration with snap-on components
- Flexible links enable further customization
- Simplified design lowers cost of installation and ownership
- Component covers available for additional security
- Made of UL 94V-0 plastic (select transitions made of aluminum)
- NEBS and ETSI certified
- Zone 4 seismic rated
- RUS listed

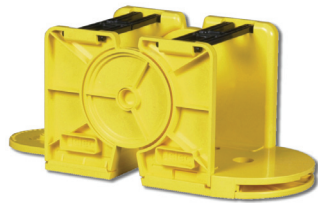
## Parts List

1. Trough
2. Reducer
3. Trumpet attachment
4. End cap
5. Flexible tube
6. T-Junction
7. Slotted duct
8. Express off-ramp
9. CableLinks® (2")
10. Center drop
11. System adapter
12. Intersection
13. Drop attachment
14. 45° elbow
15. Coupling kit
16. L-Junction
17. Upsweep
18. Downsweep
19. CableLinks® adapter
20. CableLinks® (6")





# CableLinks® Flexible Fiber Ducting Links



## 2" x 2" CableLinks

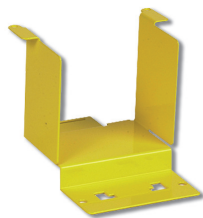
| Description                  | Part Number    |
|------------------------------|----------------|
| Single link, yellow          | 027-0000-4200  |
| Single link, black           | WT2E-CBLX-BLK  |
| Pallet, yellow (1,664 links) | 027-0000-42PLT |

## 4" x 4" CableLinks

| Description         | Part Number   |
|---------------------|---------------|
| Single link, yellow | 027-0000-4000 |
| Single link, black  | WT4E-CBLX-BLK |

## 4" x 6" CableLinks

| Description         | Part Number   |
|---------------------|---------------|
| Single link, yellow | 027-0000-6400 |



## Adapters

*CableLinks to Overhead Express Off-Ramp, T's L's and Intersections*

| Description      | Part Number   |
|------------------|---------------|
| 6", yellow       | 027-2000-6415 |
| 6" to 2", yellow | 027-1000-6472 |
| 4", yellow       | 027-2000-4015 |
| 4" to 2", yellow | 027-2000-4215 |



## Brackets

| Description                   | Part Number   |
|-------------------------------|---------------|
| Adjustable rack-mount bracket | 027-1000-4211 |

Simple to assemble and ideal for flexible fiber ducting, horizontal or vertical.

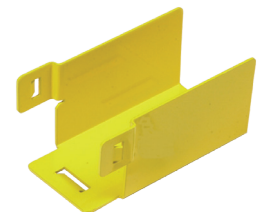
## Features

- Superior vertical fiber ducting that complements traditional overhead fiber duct
- Enables flexible cable routing and unique pathways while maintaining bend radius
- Provides the flexibility of split tube, the manageability of slotted duct, and advanced versatility
- Clean and fast installation:
  - » No saws required – parts snap together
  - » Flexible links mean that racks do not have to be perfectly aligned to overhead troughs and drops
- Made of high-quality materials for durability and performance
- Fully compatible with all standard raceway and trough systems
- 2" x 2" yellow links available in a full pallet for volume savings and convenience



## Specifications

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| Material          | UL94V-0 fire-retardant plastic                                     |
| Capacity          | 2": 400 3 mm fibers<br>4": 800 3 mm fibers<br>6": 1000 3 mm fibers |
| Links per foot    | 2": 3<br>4": 1.5<br>6": Approx. 1.3                                |
| Agency compliance | NEBS 3, ETSI                                                       |



## CableLinks to Trough Adapter

| Description | Part Number   |
|-------------|---------------|
| 6", yellow  | 027-1000-6490 |
| 4", yellow  | 027-2000-4090 |
| 2", yellow  | 027-1000-4207 |

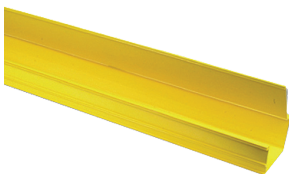
*Must be used with Coupling Kit page F-24*

# WaveTrax® Fiber Ducting Components

## Troughs

- Standard 6' length, can be cut to fit
- I-Beam design reduces the number of support brackets required
- Requires a notching tool (see pg. F-25)

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4206  |
| 4"   | 027-2000-4001  |
| 6"   | 027-2000-6401  |
| 12"  | 027-2000-12406 |



## Coupling Kits

- Snap-fit connector for troughs and transitions
- Primary mounting fixtures for brackets

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4299  |
| 4"   | 027-2000-4099  |
| 6"   | 027-2000-6499  |
| 12"  | 027-1000-12499 |



## L-Transitions

- Create a 90° turn in a horizontal run
- Help to guide cable around obstacles

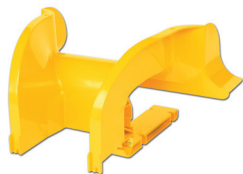
| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4224  |
| 4"   | 027-2000-4024  |
| 6"   | 027-2000-6424  |
| 12"  | 027-2000-12424 |



## Express Off-Ramp

- Modular exit that simply snaps onto the side of an existing trough run
- Guides cable up and over the sidewall then down into the desired bay
- Fits 4" and larger trough
- 2" includes CableLinks adapter

| Size | Part Number   |
|------|---------------|
| 2"   | 027-2000-4264 |
| 4"   | 027-2000-4065 |



Simple installation, comprehensive components – the total cable management solution.

## T-Transitions

- Adds a 90° exit to a trough and attaches simply to trough with a coupling kit

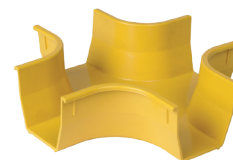
| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4210  |
| 4"   | 027-2000-4010  |
| 6"   | 027-2000-6410  |
| 12"  | 027-2000-12410 |



## Intersection

- Allow two perpendicular troughs to cross
- Available with equal widths or different widths on each crossing route
- Coupling kit required at each connection

| Size      | Part Number    |
|-----------|----------------|
| 2"        | 027-2000-4230  |
| 4"        | 027-2000-4030  |
| 6"        | 027-2000-6430  |
| 12" x 12" | 027-2000-12430 |



## Drop Attachments

- Snap onto horizontal runs to provide a radius transition into a rack or bay
- Larger drops reduce to smaller sizes, minimizing the number of components required to deliver cable to the bay
- 2" drops require the use of a junction; other sizes snap onto transitions

| Size      | Part Number    |
|-----------|----------------|
| 2"        | 027-2000-4277  |
| 4"        | 027-2000-4077  |
| 6"        | 027-2000-6477  |
| 12" to 6" | 027-2000-12477 |

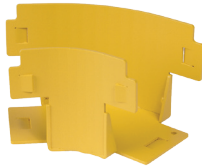


# WaveTrax® Fiber Ducting Components

## 45° Elbows

- Create a sideways turn in a horizontal run
- Ideal for negotiating around obstacles
- Made of aluminum
- Coupling kit required at each connection

| Size | Part Number    |
|------|----------------|
| 2"   | 027-1000-4289  |
| 4"   | 027-1000-4489  |
| 6"   | 027-1000-6489  |
| 12"  | 027-1000-12489 |



## 45° Upsweeps

- Create an upward turn in a horizontal run
- Ideal for overhead applications when transitioning for elevation changes
- Made of aluminum

| Size | Part Number    |
|------|----------------|
| 2"   | 027-1000-4287  |
| 4"   | 027-1000-4487  |
| 6"   | 027-1000-6487  |
| 12"  | 027-1000-12487 |



## 45° Downsweeps

- Create a downward turn in a horizontal run
- Ideal for overhead applications when transitioning for elevation changes
- Made of aluminum

| Size | Part Number    |
|------|----------------|
| 2"   | 027-1000-4288  |
| 4"   | 027-1000-4488  |
| 6"   | 027-1000-6488  |
| 12"  | 027-1000-12488 |



## 90° Upsweeps

- Create an upward turn in a horizontal run
- Ideal for under floor applications when transitioning up into a bay
- Made of aluminum

| Size | Part Number    |
|------|----------------|
| 2"   | 027-1000-4273  |
| 4"   | 027-1000-4473  |
| 6"   | 027-1000-6473  |
| 12"  | 027-1000-12473 |



## Notching Tool

- Used to create the snap-on effect on cut-to-fit trough
- Each installation should have at least one notching tool on site

| Part Number   |
|---------------|
| 027-2000-1100 |



# WaveTrax® Fiber Ducting Components

## Trumpet Attachment

- Provide a radiused flare off of a horizontal system, creating a vertical transition that's ideal for space-constrained environments
- 2" trumpets require the use of a junction; other sizes snap onto transitions

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4275  |
| 4"   | 027-2000-4075  |
| 6"   | 027-2000-6475  |
| 12"  | 027-2000-12475 |



## Trough End Attachments

- Enable an end cap, downspout or trumpet to snap onto the end of a trough
- Made of aluminum

| Size | Yellow         |
|------|----------------|
| 2"   | Not required   |
| 4"   | 027-2000-4009  |
| 6"   | 027-2000-6409  |
| 12"  | 027-2000-12409 |



## Center Drop

- Create an inline drop in a horizontal run
- Provide direct access to the bay while minimizing the number of components required to transition from the horizontal run to the vertical downspout

| Size      | Part Number    |
|-----------|----------------|
| 2"        | 027-1000-4227  |
| 4"        | 027-2000-4426  |
| 6"        | 027-2000-6426  |
| 12" to 4" | 027-1000-12427 |
| 12" to 6" | 027-1000-12426 |



027-2000-4227  
shown

## End Caps

- Provide closure at the end of a transition
- 4", 6" and 12" troughs require a trough end attachment

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4208  |
| 4"   | 027-2000-4008  |
| 6"   | 027-2000-6408  |
| 12"  | 027-2000-12408 |



## Reducers

- Connect trough or transition to smaller component, providing bend radius protection
- Each end requires a coupling kit, end cap, or drop attachment

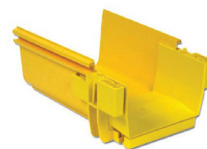
| Size      | Part Number    |
|-----------|----------------|
| 4" to 2"  | 027-2000-4050  |
| 6" to 4"  | 027-2000-6450  |
| 12" to 6" | 027-2000-12450 |
| 12" to 8" | 027-2000-12458 |



## Competitive System Adapters

- Seamlessly integrate Telect cable management with other cable management systems
- Requires the use of a notching tool (see pg. F-22)
- Ditel, Siemon, Newton, Warren & Brown do not require adapters\*

| Size | Matches ADC & Panduit* |
|------|------------------------|
| 4"   | 027-2000-4007          |
| 6"   | 027-2000-6407          |
| 12"  | 027-1000-12407         |



\*All trademarks are property of their respective owners.

# WaveTrax® Fiber Ducting Component Covers

## Drop Attachment Cover

| Size      | Part Number    |
|-----------|----------------|
| 2"        | 027-2000-4278  |
| 4"        | 027-2000-4078  |
| 6"        | 027-2000-6478  |
| 12" to 6" | 027-2000-12478 |



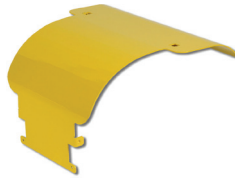
## Trough Covers

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4202  |
| 4"   | 027-2000-4002  |
| 6"   | 027-2000-6402  |
| 12"  | 027-2000-12402 |



## Express Off-Ramp Cover

| Size | Part Number   |
|------|---------------|
| 2"   | 027-2000-4263 |
| 4"   | 027-1000-4066 |



## T-Transition Cover

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4211  |
| 4"   | 027-2000-4011  |
| 6"   | 027-2000-6411  |
| 12"  | 027-2000-12411 |



## Intersection Cover

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4231  |
| 4"   | 027-2000-4031  |
| 6"   | 027-2000-6431  |
| 12"  | 027-2000-12431 |



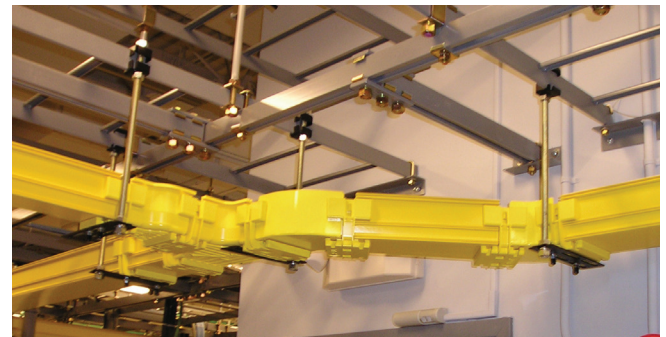
## L-Transition Covers

| Size | Part Number    |
|------|----------------|
| 2"   | 027-2000-4225  |
| 4"   | 027-2000-4025  |
| 6"   | 027-2000-6425  |
| 12"  | 027-2000-12425 |



## Reducer Covers

| Size      | Part Number    |
|-----------|----------------|
| 4" to 2"  | 027-2000-4051  |
| 6" to 4"  | 027-2000-6451  |
| 12" to 6" | 027-2000-12451 |



Visit [Telect.com](http://Telect.com) for additional component covers as well as:

- WaveTrax videos
- CableLinks videos
- Product documentation

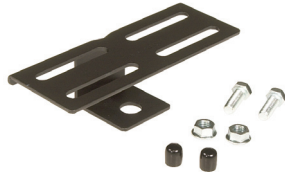


# Fiber Ducting Brackets

## Center Below Brackets

- Support trough directly above threaded rod
- Use with allthread kit

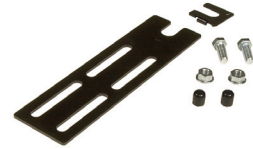
| Size         | Part Number   |
|--------------|---------------|
| For 2"       | 027-1000-4252 |
| For 4" or 6" | 027-1000-4052 |
| For 12"      | 027-1000-1250 |



## Threaded Rod Brackets

- Provide a low-profile adjustable mounting attachment to threaded rod
- Removable lock bracket simplifies installation
- Use with allthread kit

| Size         | Part Number    |
|--------------|----------------|
| For 2"       | 027-1000-4251  |
| For 4" to 6" | 027-1000-4051  |
| For 12"      | 027-1000-12405 |



## C-Brackets

- Support trough directly below threaded rod
- Use with allthread kit

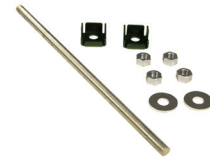
| Size         | Part Number   |
|--------------|---------------|
| For 2"       | 027-1000-4253 |
| For 4" or 6" | 027-1000-4053 |
| For 12"      | 027-1000-1253 |



## Allthread Kits

- Mount to most styles of cable rack and auxiliary bar
- Includes 5/8" x 24" threaded rod, clamshell brackets and hardware
- Provides ease of adjustment in mounting brackets hanging from overhead structures

| Size              | Part Number   |
|-------------------|---------------|
| Standard 5/8" kit | 027-1000-4002 |



## Cable Rack Brackets

- Supports trough level with standard cable rack
- Simple to install and adjust

| Size         | Part Number   |
|--------------|---------------|
| For 2"       | 027-1000-4260 |
| For 4" or 6" | 027-1000-4062 |



## Center Trough Brackets

- Two sliding catches mount directly to most brackets and attach to trough as a mid-span support
- Requires additional bracket to mount to allthread or ladder rack

| Size          | Part Number   |
|---------------|---------------|
| For 2"        | 027-2000-4260 |
| For 4" to 12" | 027-2000-4060 |



## Universal Brackets

- Mounts to threaded rod, ladder rack or vertical surface to support 2" channel at adjustable heights
- Use with an Allthread Kit (027-1000-4002) for threaded rod mounting

| Size           | Part Number   |
|----------------|---------------|
| 2" bracket kit | 027-2000-4205 |
| 4" bracket kit | 027-1000-4004 |



## Adjustable Brackets

- Often used for cable management traveling vertically down an equipment rack
- Mounts directly to rack flange
- Provides a 1.5" offset and 0.25" adjustment toward or away from the frame
- Junctions snap onto the bracket, eliminating small hardware

| Description    | Part Number   |
|----------------|---------------|
| For trough     | 027-1000-4216 |
| For CableLinks | 027-1000-4211 |



# Additional Fiber Ducting Components

## Flexible Tube Adapters

- Attaches 2" flexible tube to transition or trough end attachment
- Available in single or dual designs (for one or two flexible tubes)



| Size      | Part Number   |
|-----------|---------------|
| 4" single | 027-2000-2000 |
| 4" dual   | 027-2000-4016 |

## Slotted Duct

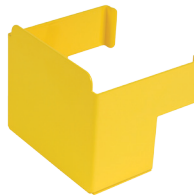
- 2" exits align on both sides of the component for access
- Each kit comes with a 6' slotted trough, a 6' cover, two coupling kits and two snap-on brackets for mounting to equipment racks



| Size | Part Number   |
|------|---------------|
| 2"   | 027-2000-4203 |
| 4"   | 027-2000-4403 |

## Flexible Tube Adapter Cover

| Size    | Part Number   |
|---------|---------------|
| 4" dual | 027-2000-4018 |



## Flexible Tube

- Simple and inexpensive way to organize and bundle cable
- Tube is 2" in width, 20" in length, with split-tube access



| Size | Part Number   |
|------|---------------|
| 2"   | 027-2902-0020 |

## Maximum Cable Density

Use this table as a guide to determine the best width to support your application.

| Trough Width                           | Max. Patch Cord Density |                        |
|----------------------------------------|-------------------------|------------------------|
| <i>2" Patch Cord Pile-Up in Trough</i> | <i>2mm Patch Cords</i>  | <i>3mm Patch Cords</i> |
| 2" trough                              | 560                     | 240                    |
| 4" trough                              | 1,120                   | 480                    |
| 6" trough                              | 1,680                   | 720                    |
| 12" trough                             | 3,360                   | 1,920                  |
| <i>3" Patch Cord Pile-Up in Trough</i> | <i>2mm Patch Cords</i>  | <i>3mm Patch Cords</i> |
| 4" trough                              | 1,680                   | 720                    |
| 6" trough                              | 2,520                   | 1,080                  |
| 12" trough                             | 5,040                   | 2,160                  |
| <i>4" Patch Cord Pile-Up in Trough</i> | <i>2mm Patch Cords</i>  | <i>3mm Patch Cords</i> |
| 4" trough                              | 2,240                   | 690                    |
| 6" trough                              | 3,360                   | 1,140                  |
| 12" trough                             | 6,720                   | 2,880                  |

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# Power Products

## Systems & Solutions

Combining the highest reliability in the industry with leading edge designs and an unmatched portfolio breadth, Telect's Power Products help customers achieve the lowest cost of service in telecom voice, video and data.

| Power Products                                      | Input Rating Per Bus               | Max. Fuse / Circuit Breaker                                                        | VDC          | Feed Type    | Fuses/Circuit Breakers/bus       | RU's | Mounting            | Page Number |
|-----------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------|--------------|--------------|----------------------------------|------|---------------------|-------------|
| <b>60A Compact GMT Fuse Panels</b>                  | 60A                                | 15A                                                                                | ±24/-48      | Dual         | 10, 20                           | 1    | 19"/23"             | 2           |
| <b>Total Front Access/Wall-Mount GMT Fuse Panel</b> | 50A                                | 15A                                                                                | ±24/-48      | Dual         | 5                                | 1    | 19"/23", wall mount | 3           |
| <b>Universal Voltage ±24V/-48V GMT Fuse Panels</b>  | 60A, 100A                          | 15A, 20A                                                                           | ±24/-48      | Single, Dual | 10, 15, 20                       | 1, 2 | 19"/23", 23"        | 4-5         |
| <b>Load Sharing/Noise Filter GMT Fuse Panels</b>    | 20A, 30A, 50A, 100A, 150A          | 10A, 15A, 20A                                                                      | -24, -48     | Dual         | 10, 20                           |      | 19"/23"             | 6           |
| <b>KLM Fuse Panels*</b>                             | 50A, 60A, 100A, 200A               | 15A GMT, 30A KLM                                                                   | -48, ±24/-48 | Dual         | 4, 5, 8                          | 1    | 19"/23"             | 7           |
| <b>TPA Fuse Panels</b>                              | 100A, 130A, 150A, 200A, 260A, 350A | 15A GMT, 50A TPA                                                                   | -48, ±24/-48 | Dual, Quad   | 4/4, 4/5, 4/20, 8/10             | 1, 2 | 19"/23"             | 8           |
| <b>TPC Fuse Panel</b>                               | 350A                               | 15A GMT, 100A TPC                                                                  | -48          | Dual         | 4/10                             | 2    | 23"                 | 9           |
| <b>Circuit Breaker/Fuse Panels</b>                  | 200A, 350A                         | 100A CB, 125A TLS                                                                  | ±24/-48      | Dual         | 6 breakers, 5 GMT fuses          | 3    | 19"/23"             | 10-11       |
| <b>Demarcation Panels</b>                           | 100A, 125A                         | 100A CB, 125A TLS                                                                  | ±24/-48      | Quad, Eight  | 1                                | 1,2  | 19"/23"             | 12-13       |
| <b>Mini-BDFB Panel</b>                              | 600A                               | 100A for single-pole, 200A for double-pole, 250A for triple-pole, 15A for GMT fuse | ±24/-48      | Dual         | 8 breakers or fuses, 5 GMT fuses | 4    | 19"/23"             | 14          |
| <b>Mini-BDFB Frame</b>                              | 600A                               | 100A for single-pole, 200A for double-pole, 250A for triple-pole                   | ±24/-48      | Dual         | 10 breakers or fuses             | 2    | 19"/23"             | 15          |
| <b>BDFB</b>                                         | 600A                               | 100A for single-pole                                                               | -48          | Dual         | 18                               | 10   | 19"/23"             | 16          |
| <b>Low-Voltage Disconnect Panel</b>                 | 80A                                | N/A                                                                                | -48          | Dual         | N/A                              | 1    | 19"/23"             | 17          |

\* Load sharing and noise filter options available.

## Compliance Definitions

**NEBS:** NEBS Level 3, applicable requirements of GR-63-CORE and GR-1089-CORE

**UL:** UL and CUL Listing to product category NWGQ or QPQY

**CE:** Declaration of Conformance to EN 60950

## Connection Types

**Dual studs/bolts:** Two-hole compression lugs

**Single stud:** One-hole compression lug

**Screw terminal:** Ring terminal

**Screw clamp:** Bare wire

**Pressure clamp:** Bare wire

# GMT Fuse Panels

## 60A Compact, Low-Current Distribution

**NEW!**



60GMT10 Front view



60GMT10 Rear view

| Description                  | Part Number  |
|------------------------------|--------------|
| Compact 10/10 GMT fuse panel | 60GMT10      |
| Compact 20/20 GMT fuse panel | 60GMT20      |
| 23" Mounting Adapters        | 02117-01+746 |

Telect's new GMT fuse panels provide reliable low-current power distribution in a highly cost-effective package.

### Features

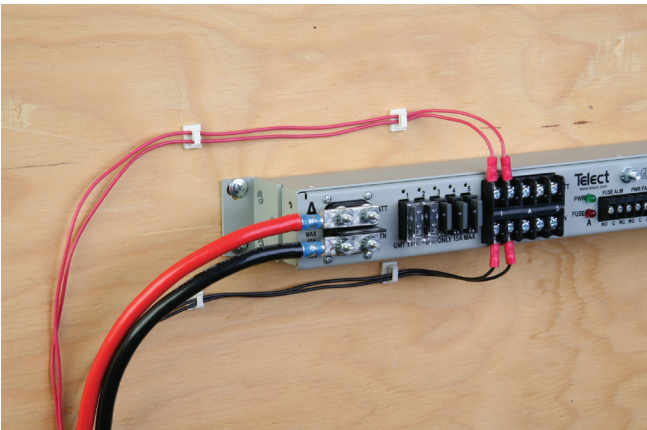
- Universal voltage ( $\pm 24/-48$  VDC) enables standardization on a single part number for multiple network applications
- Up to 15A fuses for distribution to a variety of network elements (Note: Order fuses separately)
- GMT fuse holders mounted for downward trip indication —easier identification and detection of blown fuses
- Form C relay contacts provide reliable alarm connections
- Fail alarm LEDs clearly indicate fuse and power failures
- Lever-actuated input connectors provide simple, tool-less termination and maintenance-free connections
- Screw clamp output, ground, and alarm connectors ensure security and reliability
- Essential low-current power distribution functionality in a cost-effective platform

### Specifications

| Electrical                       |                                                    |
|----------------------------------|----------------------------------------------------|
| Nominal voltage                  | $\pm 24V, -48V$                                    |
| Input rating                     | 60A per bus                                        |
| Maximum input interrupt device   | 75A                                                |
| Maximum output protection device | 15A                                                |
| Mechanical                       |                                                    |
| Dimensions                       | 19" W x 1.75" H x 2" D<br>(432 mm x 45 mm x 51 mm) |
| Weight                           | 4 lbs. (1.8 kg)                                    |
| Mounting                         | 19" or 23"                                         |
| Connections                      |                                                    |
| Input terminals                  | Pressure clamp, #16 - #6 AWG                       |
| Output terminals                 | Screw clamp, #22 - #16 AWG                         |
| Chassis ground                   | Screw, #8                                          |

# GMT Fuse Panel

## Total Front Access/Wall-Mount, Low-Current Distribution



Compact 19"/1 RU panel optimized for space savings and versatility. Ideal for lower power backhaul solutions in premise applications.

### Features

- Total front access to inputs, outputs, alarms, LEDs and fuses
- Shallow panel depth, lightweight design (just 3.6 lbs.) and front access are ideal features for wall mounting in telco closet or limited space applications
- $\pm 24$  and  $-48$  VDC for use with legacy and “next-gen” equipment
- Also fits 19" or 23" racks; unique mounting bracket design allows for rack- or wall-mount with simple adjustment to bracket
- 15A fuse outputs provide power protection and distribution to a variety of network elements

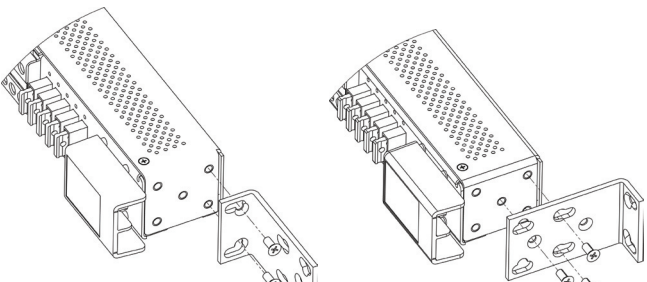


(GMT05FA)

### Specifications

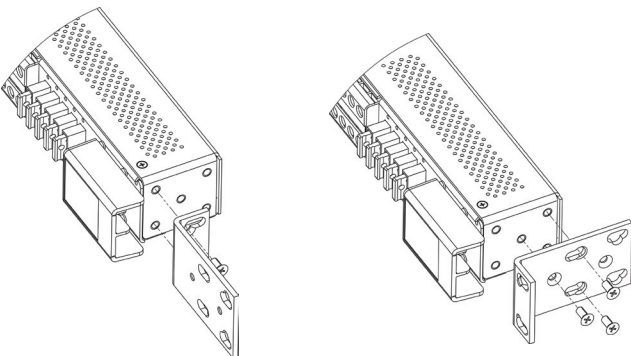
| Electrical                       |                                                    |
|----------------------------------|----------------------------------------------------|
| Nominal voltage                  | $\pm 24$ V, $-48$ V                                |
| Input rating                     | 50A per bus                                        |
| Maximum output protection device | 15A                                                |
| Mechanical                       |                                                    |
| Dimensions                       | 17" W x 1.75" H x 2" D<br>(432 mm x 44 mm x 51 mm) |
| Weight                           | 3.6 lbs. (1.63 kgs.)                               |
| Mounting                         | 19" or 23" racks; wall-mount                       |
| Connections                      |                                                    |
| Input terminals                  | Dual studs, 10-32 on 5/8" centers                  |
| Output terminals                 | Screw terminal, #6                                 |
| Chassis ground                   | Single stud, 1/4"-20                               |
| Agency compliance                |                                                    |
| NEBS, UL                         |                                                    |

| Description                             | Part Number |
|-----------------------------------------|-------------|
| Total front access/wall-mount GMT panel | GMT05FA     |



Extended 23" Mounting,  
Wall Mounting

Extended 19" Mounting,  
Wall Mounting



23" Flush Mounting

19" Flush Mounting



# GMT Fuse Panels

Universal  $\pm 24\text{V}/-48\text{V}$ , Low-Current Distribution



10-Position GMT Fuse Panel (HPGMT10)  
Front View



10-Position GMT Fuse Panel (HPGMT10)  
Rear View



20 Fuse Positions per Side in a 19" Panel (GMT20)



2 RU High GMT Fuse Panel (HPGMT10FA)

Universal operating voltage ( $\pm 24$  and  $-48$  VDC) enables use with legacy and “next-gen” equipment.

## Features

- Up to 100A input to maximize power distribution to equipment
- Up to 20A fuses provide power protection and distribution to a variety of network elements
- NEBS 3/UL compliant to ensure industry-standard safety and functional requirements
- Replaceable alarm card
- Two bay alarms are standard for either minor or major alarms within the equipment rack
- Simultaneous dual polarity

## Specifications

| Electrical                       |                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Nominal voltage                  | $\pm 24\text{V}$ , $-48\text{V}$                                                                             |
| Input rating                     | 100A per bus<br>(60A per bus for GMTXX)                                                                      |
| Maximum input interrupt device   | 125A                                                                                                         |
| Maximum output protection device | 20A (GMT20:15A)                                                                                              |
| Mechanical                       |                                                                                                              |
| Dimensions                       | 17" W x 1.72" H x 12" D<br>(432 mm x 45 mm x 305 mm)<br>HPGMT10FA: 3.5" H (89 mm)<br>HPGMT20: 21" W (533 mm) |
| Weight                           | 9 lbs. (4.08 kg)                                                                                             |
| Mounting                         | 19" or 23"<br>(23" only for HPGMT20)                                                                         |
| Connections                      |                                                                                                              |
| Input terminals                  | Dual studs, 1/4"-20 on 5/8" centers<br>GMTXX: Screw clamp                                                    |
| Output terminals                 | Screw terminal, #6<br>GMT20: Screw terminal, #3                                                              |
| Chassis ground                   | Dual studs, 10-32 on 5/8" centers                                                                            |
| Agency compliance                | NEBS, UL, CE                                                                                                 |



# GMT Fuse Panels

Universal  $\pm 24V/-48V$ , Low-Current Distribution

GMT Fuse Panel Features by Part Number

| Features                | GMT10* | GMT10FA | GMT20 | GMT20S | HPGMT10* | HPGMT10FA | HPGMT15 | HPGMT20 | HPGMT20S |
|-------------------------|--------|---------|-------|--------|----------|-----------|---------|---------|----------|
| 60A Max. Input          | X      | X       | X     | X      |          |           |         |         |          |
| 100A Max. Input         |        |         |       |        | X        | X         | X       | X       | X        |
| 20A Max. Fuse Position  | X      | X       |       | X      | X        | X         | X       | X       | X        |
| 15A Max. Fuse Position  |        |         | X     |        |          |           |         |         |          |
| Universal VDC           | X      | X       | X     | X      | X        | X         | X       | X       | X        |
| Dual Bus                | X      | X       | X     |        | X        | X         | X       | X       |          |
| Single Bus              |        |         |       | X      |          |           |         |         | X        |
| Fuse Positions per Feed | 10     | 10      | 20    | 20     | 10       | 10        | 15      | 20      | 20       |
| Rack Units              | 1      | 1       | 1     | 1      | 1        | 2         | 1       | 1       | 1        |
| Width                   | 19"    | 23"     | 19"   | 19"    | 19"      | 19"       | 19"     | 23"     | 19"      |
| Front Access            |        | X       |       |        |          | X         |         |         |          |
| Stud Input              |        |         |       |        | X        | X         | X       | X       | X        |
| Screw Clamp Input       | X      | X       | X     | X      |          |           |         |         |          |
| Bay Alarm               | X      | X       | X     | X      | X        | X         | X       | X       | X        |

\*Add the suffix -BLK to the part number for optional black color.

# GMT Fuse Panels

## Noise Filter/Load Sharing, Low-Current Distribution



(06004-11)



(20HPGMT05BNR)

Optional features support applications where noise filtering or load sharing abilities are required.

### Features

- Essential low-current distribution with additional key features
- Bay alarms provide major/minor indicator of power problems in rack
- Load sharing provides an additional layer of protection should a problem occur with one power load
- Noise filter protects sensitive equipment from additional power problems

### Specifications

| Electrical                       |                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                  | -48V, 06004-11 and 06020-01: -24V/-48V, 20HPGMT05BNR-24: -24V                                                                                                                                                                     |
| Input rating                     | 0HP and 20HP panels: 100A, 06004-11 and 06020-01: 20A, 009-2005-0000: 50A, 009-0016-1001: 30A                                                                                                                                     |
| Maximum input interrupt device   | 0HP and 20HP panels: 125A, 06004-11 and 06020-01: 20A, 009-2005-0000: 60A, 009-0016-1001: 30A                                                                                                                                     |
| Maximum output protection device | 15A, 20HP panels: 20A, 06004-11 and 06020-01: 10A                                                                                                                                                                                 |
| Mechanical                       |                                                                                                                                                                                                                                   |
| Dimensions                       | 0HP and 20HP panels: 17" W x 1.75" H x 12" D (432mm x 45mm x 305mm)<br>06004-11 and 06020-01: 17" W x 1.75" H x 9.5" D (432mm x 45mm x 241mm)<br>009-2005-0000 and 009-0016-1001: 17.25" W x 1.7" H x 8" D (438mm x 43mm x 203mm) |
| Weight                           | 9 lbs. (4.1 kg)                                                                                                                                                                                                                   |
| Mounting                         | 19" or 23"                                                                                                                                                                                                                        |
| Connections                      |                                                                                                                                                                                                                                   |
| Input terminals                  | 0HP and 20HP panels: Dual studs, 1/4"-20 on 5/8" centers<br>06004-11 and 06020-01: Screw clamp<br>009-2005-0000 and 009-0016-1001: Dual stud, 10-32 on 5/8" centers                                                               |
| Output terminals                 | Screw terminal, #6<br>06004-11 and 06020-01: Screw clamp                                                                                                                                                                          |
| Chassis ground                   | 0HP and 20HP panels: Dual studs, 10-32 on 5/8" centers<br>06004-11 and 06020-01: Screw terminal, #10<br>009-2005-0000 and 009-0016-1001: Single stud, 6-32                                                                        |
| Agency compliance                |                                                                                                                                                                                                                                   |
|                                  | NEBS, UL (except 009-2005-0000)                                                                                                                                                                                                   |

| Options                  | VDC     | Input Rating | Max. GMT Fuse | Positions  | Part Number     |
|--------------------------|---------|--------------|---------------|------------|-----------------|
| Bay alarms, load sharing | -24/-48 | 20A          | 10A           | Dual 20/20 | 06004-11        |
| Bay alarms, noise filter | -24/-48 | 20A          | 10A           | Dual 20/20 | 06020-01        |
| Noise filter             | -48     | 100A         | 15A           | Dual 10/10 | 0HPGMT05NR      |
| Load sharing             | -48     | 100A         | 20A           | Dual 10/10 | 20HPGMT05FR     |
| Bay alarms, noise filter | -48     | 100A         | 20A           | Dual 10/10 | 20HPGMT05BNR    |
| Bay alarms, noise filter | -24     | 100A         | 20A           | Dual 10/10 | 20HPGMT05BNR-24 |
| Load sharing             | -48     | 50A          | 15A           | Dual 10/10 | 009-2005-0000   |
| Noise filter             | -48     | 30A          | 15A           | Dual 10/10 | 009-0016-1001   |

# KLM Fuse Panels

## Intermediate-Current Distribution



KLM/GMT Fuse Panel (009-8004-0104)



KLM/GMT Fuse Panel (009-8004-0124)



KLM/GMT Fuse Panel (009-8004-0208)



KLM Fuse Panel (009-8004-0105)

Ideal for cable backhaul applications, CWDM, and other environments where equipment requires more amperage than GMT panels can handle – up to 30A per fuse for powering a variety of components.

Features

- 100A input interrupt device rating per bus (dual feed) in one rack unit
- Large range of output amperages: 30A per KLM, 15A per GMT fuse
- Wire-binding output connections accept either bare wire or compression lugs
- Input connections accept two-hole compression lugs
- Removable alarm card

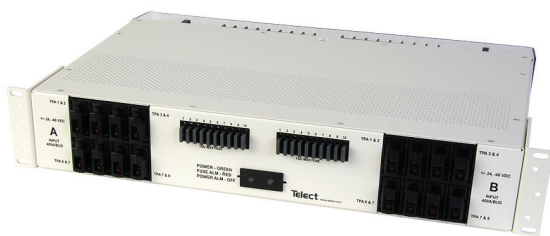
Specifications

| Electrical                       |                                                                                              |
|----------------------------------|----------------------------------------------------------------------------------------------|
| Nominal voltage                  | ±24V, -48V                                                                                   |
| Maximum output protection device | 30A KLM; 15A GMT                                                                             |
| Mechanical                       |                                                                                              |
| Dimensions                       | 17.5" W x 1.75" H x 9" D<br>(445 mm x 45 mm x 229 mm)                                        |
| Weight                           | 10 lbs. (4.54 kg)                                                                            |
| Connections                      |                                                                                              |
| Input terminals                  | Dual studs, 10-32 on 5/8" centers<br>009-8004-0208 panel: Dual studs, 5/16"-18 on 1" centers |
| Output terminals                 | KLM: Screw terminal, #8<br>GMT: Screw terminal, #6                                           |
| Chassis ground                   | Dual studs, 10-32 on 5/8" centers<br>009-8004-0208 panel: Dual studs, 10-24 on 5/8" centers  |
| Agency compliance                |                                                                                              |
| NEBS, UL, CE                     |                                                                                              |

| Input | Max. Fuse          | VDC     | Feed | Fuses per Feed | RUs | Mounting | NEBS 3 | UL | Load Sharing | Part Number    |
|-------|--------------------|---------|------|----------------|-----|----------|--------|----|--------------|----------------|
| 100A  | 30A KLM<br>15A GMT | ±24/-48 | Dual | 4 KLM<br>4 GMT | 1   | 19"/23"  | X      | X  |              | 009-8004-0104  |
| 50A   | 30A KLM<br>15A GMT | -48     | Dual | 4 KLM<br>4 GMT | 1   | 19"/23"  | X      | X  | X            | 009-8004-0124  |
| 200A  | 30A KLM<br>15A GMT | ±24/-48 | Dual | 8 KLM<br>8 GMT | 2   | 19"/23"  | X      | X  |              | 009-8004-0208  |
| 100A  | 30A KLM            | ±24/-48 | Dual | 5 KLM          | 1   | 19"/23"  | X      | X  |              | 009-8004-0105  |
| 150A  | 30A KLM<br>15A GMT | ±24/-48 | Dual | 4 KLM<br>4 GMT | 1   | 19"/23"  | X      | X  |              | 009-8004-0104H |

# TPA Fuse Panels

## High-Current Distribution



350A Dual-Feed (009-8005-0810)



200A Dual-Feed (009-8005-0404)  
Front View

High-current distribution for DWDM, high-density MAN backhaul applications, routers and more – 50A per TPA fuse, with integrated GMTs for low-current capabilities.

### Features

- Industry-leading capacity in a 1 RU solution
- Input connections accept two-hole compression lugs up to 250 MCM
- Advanced output connector design allows for full utilization of TPA fuse rating by accepting ring terminals up to #6 AWG



200A Dual-Feed (009-8005-0404)  
Rear View

### Specifications

| Electrical                       |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Maximum input interrupt device   | Dual & quad 4/4 panels: 125A<br>Dual 4/5 panels: 250A<br>Dual 4/20 panel: 325A<br>Dual 8/10 panel: 500A       |
| Maximum output protection device | 50A TPA<br>15A GMT                                                                                            |
| Mechanical                       |                                                                                                               |
| Dimensions                       | 17.5" W x 1.75" H x 9" D<br>(445 mm x 45 mm x 229 mm)<br>009-8005-0420 and<br>009-8005-0810 is 3.5" (18 mm) H |
| Weight                           | 1RU: 15 lbs. (6.80 kg)<br>2RU: 18 lbs. (8.16 kg)                                                              |
| Mounting                         | 19" or 23"                                                                                                    |

### Specifications (continued)

| Connections       |                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input terminals   | Dual studs, 1/4"-20 on 3/4" centers<br>8/10-position panel: Dual studs, 3/8"-16 on 1" centers                                                                                  |
| Output terminals  | TPA: Single stud #10-32 on 5/8" centers<br>GMT: Screw terminal, #6<br>4/20-Position Panel GMT: Screw clamp #24 to #14 AWG<br>4/4-Position Panel TPA/GMT: Screw terminal, #8-32 |
| Chassis ground    | Dual studs, 1/4"-20 on 5/8" centers<br>4/4-position panels: Dual studs, M5 on 5/8" centers                                                                                     |
| Agency compliance | NEBS, UL, CE (except 009-8005-0810)                                                                                                                                            |

| Input | Max. Fuse        | VDC             | Feed | Fuse per Feed | RUs | Mounting | Part Number    |
|-------|------------------|-----------------|------|---------------|-----|----------|----------------|
| 350A  | 50A TPA, 15A GMT | -48V, $\pm 24V$ | Dual | 8 TPA/10 GMT  | 2   | 19"/23"  | 009-8005-0810  |
| 200A  | 50A TPA, 15A GMT | -48V, $\pm 24V$ | Dual | 4 TPA/5 GMT   | 1   | 19"/23"  | 009-8005-0404  |
| 200A  | 50A TPA, 15A GMT | -48V, $\pm 24V$ | Dual | 4 TPA/5 GMT   | 1   | 19"/23"  | 009-8005-1404* |
| 260A  | 50A TPA, 15A GMT | -48V, $\pm 24V$ | Dual | 4 TPA/20 GMT  | 2   | 19"/23"  | 009-8005-0420  |
| 150A  | 50A TPA, 15A GMT | -48V            | Dual | 4 TPA/4 GMT   | 1   | 19"/23"  | 009-8005-3404H |
| 130A  | 50A TPA, 15A GMT | -48V            | Quad | 4 TPA/4 GMT   | 1   | 19"/23"  | 004-8005-4404H |

\*Includes integrated bay alarm.

# TPC Fuse Panel

## High-Current Distribution



TPC Fuse Panel (009-8008-1410)  
Front View



TPC Fuse Panel (009-8008-1410)  
Rear View

| Description                       | Part Number   |
|-----------------------------------|---------------|
| Dual-feed 4/10 TPC/GMT fuse panel | 009-8008-1410 |

Handle up to 100A feeds and maintain traditional low-current distribution in one compact system.

### Features

- Each TPC fuse rated as a disconnect device to simplify maintenance
- Input connections accept two-hole compression lugs up to 750 MCM
- All power connections on a single cabling surface to prevent unnecessary bending and routing of large cables
- Industry-leading input interrupt device rating of 450A per feed to more fully utilize the four TPC and 10 GMT fuses per side
- Advanced TPC output connector design allows for full utilization of TPC fuse rating by accepting ring terminals up to #2 AWG

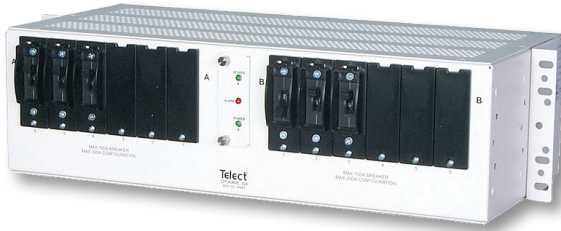
### Specifications

| Electrical                       |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Nominal voltage                  | -48V                                                                |
| Input rating                     | 350A per bus                                                        |
| Maximum input interrupt device   | 450A                                                                |
| Maximum output protection device | 100A TPC; 15A GMT                                                   |
| Mechanical                       |                                                                     |
| Dimensions                       | 21.25" W x 3.5" H x 13" D<br>(540 mm x 89 mm x 330 mm)              |
| Weight                           | 25 lbs. (11.34 kg)                                                  |
| Mounting                         | 23"                                                                 |
| Connections                      |                                                                     |
| Input terminals                  | Dual studs, 3/8"-16 on 1" centers                                   |
| Output terminals                 | TPC: Dual studs, 1/4"-20 on 5/8" centers<br>GMT: Screw terminal, #6 |
| Chassis ground                   | Dual studs, 1/4"-20 on 5/8" centers                                 |
| Agency compliance                |                                                                     |
| NEBS, UL                         |                                                                     |



# Circuit Breaker/Fuse Panels

## High-Current Distribution



100A Breaker Panel (009-6212-2100)

| Description                                      | Part Number   |
|--------------------------------------------------|---------------|
| Dual-feed rear output panel, up to 100A breakers | 009-6212-2100 |
| <b>For TPS/TLS Fuses</b>                         |               |
| TFD fuse holder kit (plastic)                    | 090-0001-0033 |
| TFD fuse holder kit (steel)                      | 090-0001-0034 |



090-0001-0033



090-0001-0034

### Circuit Breaker Kits

| High-Current Breaker | Part Number   |
|----------------------|---------------|
| 1A                   | 090-0052-0001 |
| 2A                   | 090-0052-0002 |
| 3A                   | 090-0052-0003 |
| 5A                   | 090-0052-0005 |
| 10A                  | 090-0052-0010 |
| 20A                  | 090-0052-0020 |
| 25A                  | 090-0052-0025 |
| 30A                  | 090-0052-0030 |
| 40A                  | 090-0052-0040 |
| 50A                  | 090-0052-0050 |
| 60A                  | 090-0052-0060 |
| 70A                  | 090-0052-0070 |
| 80A                  | 090-0052-0080 |
| 90A                  | 090-0052-0090 |
| 100A                 | 090-0052-0100 |

Perfect for distribution to DSLAMs and other high-current equipment, with universal voltage and the convenience of circuit breakers.

### Features

- Available with front or rear output connections
- Dual-feed panel provides redundant power for six output feeds
- Easy-to-install bullet-style breakers make breaker installation and reconfiguration safe and simple
- Support for TPS/TLS fuses

### Specifications

| Electrical                       |                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Nominal voltage                  | ±24V, -48V                                                                                                      |
| Input rating                     | 200A per bus                                                                                                    |
| Maximum input interrupt device   | 250A                                                                                                            |
| Maximum output protection device | Rear output panel: 100A                                                                                         |
| Mechanical                       |                                                                                                                 |
| Dimensions                       | 17.25" W x 5" H x 8" D (438 mm x 127 mm x 203 mm)                                                               |
| Weight                           | 19 lbs. (8.62 kg)                                                                                               |
| Mounting                         | 19" or 23"                                                                                                      |
| Connections                      |                                                                                                                 |
| Input terminals                  | Dual studs, 5/16" on 1" centers                                                                                 |
| Output terminals                 | Front output panel: Single stud, 10-32<br>Rear output panel: Dual studs, 10-32 on 5/8" centers                  |
| Chassis ground                   | Front output panel: Dual studs, 1/4"-20 on 5/8" centers<br>Rear output panel: Dual studs, 10-32 on 5/8" centers |
| Agency compliance                | NEBS, UL, CE                                                                                                    |

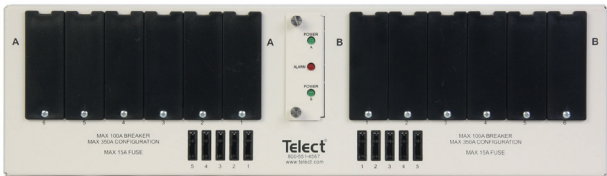


See page 20 for TPS fuses.

090-0052-0030

# Circuit Breaker/Fuse Panels

## High-Current Distribution



(350CB06)  
Front View



(350CB06)  
Rear View

| Description                     | Part Number   |
|---------------------------------|---------------|
| High-current distribution panel | 350CB06       |
| <b>For TPS/TLS Fuses</b>        |               |
| TFD fuse holder kit (plastic)   | 090-0001-0033 |
| TFD fuse holder kit (steel)     | 090-0001-0034 |

*Note: See pages 24 & 25 for circuit breakers, TPS fuses and GMT fuses.*



090-0001-0033



090-0001-0034

Flexibility for both primary and secondary distribution in a versatile 3 RU panel.

### Features

- Optimized for routers, servers and other equipment typically supported by large BDFs
- High-current capabilities – dual 350A input
- Six 100A single-pole positions per input
- Field configurable with circuit breakers or TFD fuse holders
- Five integrated GMT fuses per side
- Universal operating voltage
- Robust input connections – up to 750 MCM
- Large output connections – up to #2 AWG

### Specifications

| Electrical                       |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| Nominal voltage                  | ±24V/-48 VDC                                                        |
| Input rating                     | 350A per bus                                                        |
| Max. input interrupt device      | 437A per feed                                                       |
| Maximum output protection device | 100A circuit breaker; 70A TPS fuses; 15A GMT fuse                   |
| Mechanical                       |                                                                     |
| Dimensions                       | 17.25" W x 5" H x 8" D<br>(438 mm x 127 mm x 203 mm)                |
| Weight, without breakers         | 20 lbs. (44 kg)                                                     |
| Mounting                         | 19"/23", EIA/WECO                                                   |
| Connections                      |                                                                     |
| Input terminals                  | Dual studs, 3/8"-16 on 1" centers                                   |
| Output terminals                 | High Current: Dual studs, 10-32 on 5/8" centers<br>GMT: #6-32 screw |
| Chassis ground                   | Dual studs, 1/4"-20 on 5/8" centers                                 |
| Agency compliance                |                                                                     |
| Planned: NEBS, UL, CE            |                                                                     |

# Demarcation Panels

## High-Current Distribution



Circuit Breaker Panel (009-7000-0104)  
Front View



Circuit Breaker Panel (009-7000-0104)  
Rear View



Fuse Panel (009-7001-0104)  
Rear View



Fuse Panel (009-7001-0104)  
Rear View

| Description                     | Part Number       |
|---------------------------------|-------------------|
| Circuit breaker panel           | 009-7000-0104     |
| TPC, TLS, TPS fuse panel        | 009-7001-0104*    |
| Fuse panel with TFD fuse holder | 009-7001-0104-TFD |
| TPC fuse holder                 | 129347            |
| TFD fuse holder                 | 129816            |

\* TPC or TFD holder must be ordered for the 009-7001-0104 panel

Industry-leading power capacity in a 1 RU demarcation solution.

### Features

- Four loads of up to 100A each
- Bullet-style circuit breakers or TPS/TLS fuses available (up to 100A each)
- Highest level of power density available in a one rack unit panel

### Specifications

| Electrical                       |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| Nominal voltage                  | ±24V, -48V                                                                 |
| Input rating                     | 100A per bus                                                               |
| Maximum input interrupt device   | 125A                                                                       |
| Maximum output protection device | 100A                                                                       |
| Mechanical                       |                                                                            |
| Dimensions                       | 17.25" W x 1.75" H x 9" D<br>(438 mm x 44 mm x 229 mm)                     |
| Weight                           | 11 lbs. (4.99 kg)                                                          |
| Mounting                         | 19" or 23"                                                                 |
| Connections                      |                                                                            |
| Input terminals                  | Dual studs, M5 on 5/8" centers<br>TFD: Dual studs, 1/4"-20 on 5/8" centers |
| Output terminals                 | Dual studs, M5 on 5/8" centers<br>TFD: Dual studs, 1/4"-20 on 5/8" centers |
| Chassis ground                   | Dual studs, M5 on 5/8" centers<br>TFD: Dual studs, 1/4"-20 on 5/8" centers |
| Agency compliance                |                                                                            |
|                                  | NEBS, UL                                                                   |

See page 20 for  
circuit breakers and fuses.

# Demarcation Panels

## High-Current Distribution



125A 8-position demarcation panel (125DM08)  
Front View



125A 8-position demarcation panel (125DM08)  
Rear View

| Description                                  | Part Number |
|----------------------------------------------|-------------|
| 125A Demarcation circuit breaker/fuse panel  | 125DM08     |
| 125A Demarcation fuse panel with TFD holders | 125DM08-TFD |

For use at the equipment interface, the 125DM08 panel features built-in flexibility to meet your requirements.

### Features

- High-current capabilities – eight 125A inputs
- High-power distribution – four output positions per side
- Field configurable – bullet-style connectivity:
  - Airpax LEL circuit breakers
  - CSI TFD fuse holders
- High output capacity – up to 100A circuit breakers or 125A TLS fuses
- Universal voltage applications –  $\pm 24$  VDC and -48 VDC operation supported
- Industry compliance planned – UL, CUL, CE and NEBS level 3
- Rack mountable – fits both 19" and 23" racks
- Rear cover included

### Specifications

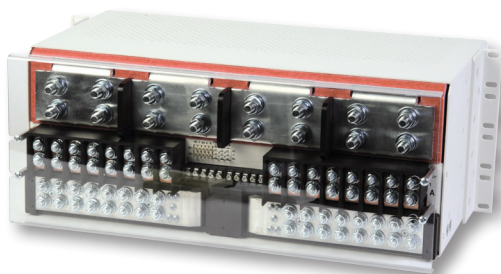
| Electrical                       |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| Nominal voltage                  | $\pm 24$ V/-48 VDC; Range: $\pm 20$                                     |
| Input rating                     | 125A per position                                                       |
| Maximum input interrupt device   | 155A                                                                    |
| Maximum output protection device | 100A                                                                    |
| Mechanical                       |                                                                         |
| Dimensions                       | 17.25" W x 3.5" H x 9" D<br>(438 mm x 89 mm x 229 mm)                   |
| Weight                           | 90 lbs. (41 kg)                                                         |
| Mounting                         | 19" or 23" EIA/WECO                                                     |
| Connections                      |                                                                         |
| Input terminals                  | 1/4"-20 dual studs on 5/8" centers<br>1/4"-20 dual PEMs on 5/8" centers |
| Output terminals                 | Dual studs, M5 on 5/8" centers                                          |
| Chassis ground                   | Dual studs, M5 on 5/8" centers                                          |
| Agency compliance                |                                                                         |
| Planned NEBS 3, UL, CE           |                                                                         |

# Mini-BDFB

## Primary/Battery Distribution



(600CB08)  
Front View



(600CB08)  
Rear View



| Description                             | Part Number |
|-----------------------------------------|-------------|
| 600A Dual-feed 8/8 enclosed panel, 4 RU | 600CB08     |

High power capacity and a choice of circuit breakers or fuses for distribution – ideal for distributing power to high-power servers and routers.

### Features

- Choose field-configurable circuit breakers, TPC fuses or TPS/TLS fuses for distribution to meet your specific standards and practices
- 600A input and high-current outputs provide greater power protection and distribution to a variety of network elements
- Enclosed panel also features GMT fuses for integrated low-current distribution
- Universal  $\pm 24/-48$  operating voltage for wireless and central office applications
- Simultaneous dual polarity
- Mid-trip breaker support—on, off, trip

### Specifications

| Electrical                       |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Nominal voltage                  | $\pm 24V, -48V$                                                                                               |
| Input rating                     | 600A                                                                                                          |
| Maximum output protection device | Breakers: 100A single-pole, 200A double-pole, 250A triple-pole<br>Fuses: 100A TPC, 100A TLS, 70A TPS, 15A GMT |
| Mechanical                       |                                                                                                               |
| Dimensions                       | 17.25" W x 7" H x 11.6" D<br>(438 mm x 178 mm x 295 mm)                                                       |
| Weight                           | 47 lbs. (21.32 kg.)                                                                                           |
| Mounting                         | 19"/23" racks, flush mounting                                                                                 |
| Connections                      |                                                                                                               |
| Input terminals                  | Dual studs, 3/8"-16 on 1" centers                                                                             |
| Output terminals                 | High Current: Dual studs, 1/4"-20 on 5/8" centers<br>GMT: #6-32 screw                                         |
| Chassis ground                   | Dual studs, 1/4"-20 on 5/8" centers                                                                           |
| Agency compliance                | NEBS, UL                                                                                                      |

See pages 19 & 20 for load center accessories:

- TPC fuses & TPC fuse holder
- TFD fuse holder
- Single-and double-pole circuit breakers



TPC fuse



TPC fuse holder



TFD fuse holder



# Mini-BDFB

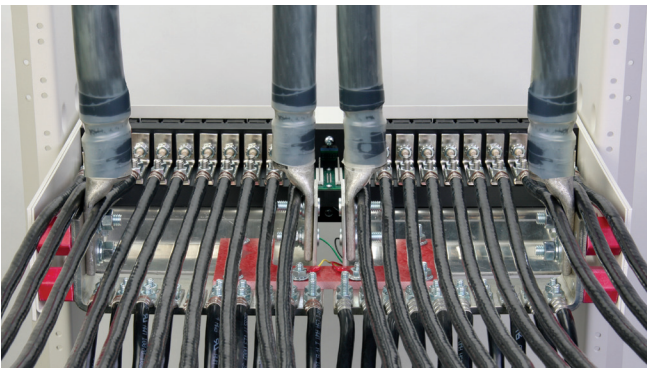
## Primary/Battery Distribution



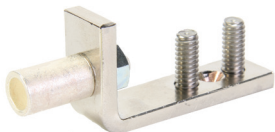
(600CB10)  
Front View



(600CB10)  
Rear View



| Description                           | Part Number |
|---------------------------------------|-------------|
| 10/10-position load center frame, 19" | 600CB10     |
| Single load connection                | 600CB1X-1PK |
| Double load connection                | 600CB1X-2PK |
| Triple load connection                | 600CB1X-3PK |



(600CB1X-1PK)



(600CB1X-2PK)

Engineered for indoor or outdoor enclosure environments – ideal for MCPA applications.

### Features

- Open-frame design facilitates heat dissipation
- Space-saving 2 RU footprint
- Choose field-replaceable circuit breakers (single-pole or double-pole) or TPC fuses
- Holders are also available for installation of TPS/TLS fuses with GMT indicators
- 600A input and 100A outputs provide greater power protection and distribution to a variety of network elements
- Universal  $\pm 24/-48$  operating voltage for wireless and central office applications
- Designed for UL and NEBS compliance
- Load connectors (see image below) are required and sold separately

### Specifications

| Electrical                       |                                                                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal voltage                  | $\pm 24$ VDC, -48VDC                                                                                                                                 |
| Input rating                     | 600A                                                                                                                                                 |
| Maximum output protection device | Breakers: 100A single-pole, 150A double-pole, 225A triple-pole<br>Fuses: 100A TPC, 100A TLS, 70A TPS,                                                |
| Mechanical                       |                                                                                                                                                      |
| Dimensions                       | 19" or 23" W x 3.5" H<br>(483 or 584 mm x 89 mm)                                                                                                     |
| Weight                           | 25 lbs. (11.34 kg)                                                                                                                                   |
| Mounting                         | 19"/23" racks, flush mounting                                                                                                                        |
| Connections                      |                                                                                                                                                      |
| Input terminals                  | Dual studs, 3/8"-16 on 1" centers                                                                                                                    |
| Output terminals                 | 600CB1X-1PK: Dual studs, 1/4"-20 on 5/8" centers<br>600CB1X-2PK: Dual studs, 3/8"-16 on 1" centers<br>600CB1X-3PK: Dual studs, 3/8"-16 on 1" centers |
| Chassis ground                   | Dual bolts, 1/4"-20 on 5/8" centers                                                                                                                  |
| Alarms                           |                                                                                                                                                      |
| Alarm indicators                 | Power and fuse, critical, major, minor                                                                                                               |
| Alarm type                       | Form C                                                                                                                                               |
| Agency compliance                |                                                                                                                                                      |
| UL recognized, NEBS pending      |                                                                                                                                                      |

# BDFB

## Primary/Battery Distribution



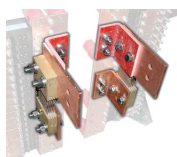
| Description                             | Part Number   |
|-----------------------------------------|---------------|
| Circuit breaker bay with standard panel | 007-0001-2600 |
| Circuit breaker bay with digital panel  | 007-0001-2602 |

### Battery Distribution Frame Accessories

| Description                  | Part Number   |
|------------------------------|---------------|
| Digital metering panel       | 007-0003-0002 |
| <b>Covers and Faceplates</b> |               |
| Clear safety cover           | 007-0000-0010 |
| 10 RU filler plate           | 007-0000-0103 |
| <b>Fastener Kits</b>         |               |
| For load return bus          | 007-0000-0225 |
| For main battery return bus  | 007-0000-0230 |
| Spare fasteners for bus      | 007-0000-0231 |
| Spare fasteners for expander | 007-0000-0232 |
| <b>Bus Kits</b>              |               |
| Input bus expansion kit      | 007-0002-0010 |
| Input bus expander           | 007-0002-0012 |
| <b>Shunt Kits</b>            |               |
| 400A                         | 007-0006-0400 |
| 600A                         | 007-0006-0600 |



Digital Metering Panel



Shunt Kit



Fastener Kits

### Features

- Up to 18 circuits per bus in just 10 RU
- Scalable design enables use as a complete bay or a single unit in an existing frame
- Simple to install, configure and maintain
- Options include:
  - Digital volt/amp meter
  - Internal or external return bus options
  - Rear safety cover kit
  - Top-down or bottom-up input feeds

### Specifications

| Electrical                       |                                                                                |
|----------------------------------|--------------------------------------------------------------------------------|
| Nominal voltage                  | -48V                                                                           |
| Input rating                     | 600A per bus                                                                   |
| Maximum input interrupt device   | 800A                                                                           |
| Maximum output protection device | Up to 100A per single-pole breaker                                             |
| Mechanical                       |                                                                                |
| Dimensions                       | 17.5" W x 17.5" H x 15.4" D (540 mm x 445 mm x 391 mm)                         |
| Weight                           | 72 lbs. (32.66 kg)                                                             |
| Mounting                         | 19" or 23"                                                                     |
| Connections                      |                                                                                |
| Input terminals                  | Terminal plates with multiple pairs of 3/8" bolt holes on 1" centers           |
| Output terminals                 | Dual studs, 1/4"-20 on 3/4" centers                                            |
| Chassis ground                   | Dual studs, 1/4"-20 on 3/4" centers                                            |
| Test Jacks                       |                                                                                |
| Voltage test jacks               | 2 test points per feed for standard 0.080" dia. probes                         |
| Current test jacks               | 2 test points per feed for standard 0.080" dia. probes (shunt option required) |
| Agency compliance                | 007-0001-2600: NEBS 3, UL                                                      |

### Circuit Breakers

| Amps | Part Number   | Amps | Part Number   |
|------|---------------|------|---------------|
| 1A   | 090-0052-1001 | 40A  | 090-0052-1040 |
| 2A   | 090-0052-1002 | 50A  | 090-0052-1050 |
| 3A   | 090-0052-1003 | 60A  | 090-0052-1060 |
| 5A   | 090-0052-1005 | 70A  | 090-0052-1070 |
| 10A  | 090-0052-1010 | 80A  | 090-0052-1080 |
| 20A  | 090-0052-1020 | 90A  | 090-0052-1090 |
| 25A  | 090-0052-1025 | 100A | 090-0052-1100 |
| 30A  | 090-0052-1030 |      |               |

# Low-Voltage Disconnect Panel

## Battery Protection



80A Dual Auto LVD with isolation diode (80LVD02)

| Description                                                              | Part Number |
|--------------------------------------------------------------------------|-------------|
| 80A Dual auto LVD, -48V, front access, isolation diode, return isolation | 80LVD02     |

Prevents potential damage to batteries and other equipment caused by below-critical level power.

### Features

- Coil-operated contactors disconnect power system from loads when system voltage falls below a pre-set level
- Compact 1 RU footprint maximizes space
- Front access inputs, outputs and test points simplify usage
- DC Contactor LED status alarm provides clear identification
- Variable engaging and re-engaging voltage control
- Meets requirements of EU low-voltage directive (2006/95/EC)

### Specifications

| Electrical          |                                                     |
|---------------------|-----------------------------------------------------|
| Nominal voltage     | -48V                                                |
| Input rating        | 80A                                                 |
| Disconnect settings | -39.0 VDC (±0.5)                                    |
| Re-engage setting   | -47 VDC (±0.5)                                      |
| Mechanical          |                                                     |
| Dimensions          | 17" W x 1.75" H x 7" D<br>(432 mm x 45 mm x 178 mm) |
| Weight              | 12 lbs. (5.4 kg)                                    |
| Mounting            | 19" or 23" racks                                    |
| Connections         |                                                     |
| Input terminals     | Dual studs, 1/4"-20 on 5/8" centers                 |
| Output terminals    | Dual studs, 1/4"-20 on 5/8" centers                 |
| Chassis ground      | Dual screw terminals, #10 on 5/8" centers           |
| Agency compliance   | NEBS, UL                                            |

# Heavy-Duty Battery Racks

## Battery Backup



Rack shown with battery disconnect kit.

A single solution that meets FCC requirements for backup power.

### Features

- Independently certified to Zone 4 Seismic standards to 2,600 lbs.
- Fits standard battery types
- 3-, 4- and 5-shelf configurations – up to 20 batteries per rack
- Scalable to fit the requirements of multiple applications
- Adaptable to +24V or -48V
- Shelf expansion kits available
- Standard 7' x 23" footprint
- Ships with cabling ready to accept batteries
- Fully configured systems (rack + batteries) available through Telect Systems Integration
- Included accessories:
  - Two 1200A 10 input/output copper bus bars
  - All necessary cabling to connect battery strings to collector bus bars
  - Rod retainers for securing batteries within each shelf
  - Four removable lifting eye rings at top of rack
- Standard color is pewter/charcoal gray for frame and telephone gray for shelves

### Specifications

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Dimensions              | 7' H x 23" W x 27.25" D<br>(2133 mm x 584 mm x 27 mm)     |
| Battery weight capacity | 552 lbs. per shelf<br>(2,760 lbs. total for 5-shelf rack) |
| Material                | 7 GA hot-rolled steel                                     |
| Copper bus bar          | 1200A, 10 input/6 output; copper alloy with zinc finish   |
| Shelf mounting          | Uses M6 x 1.0 hardware                                    |
| Seismic rating          | 2,600 lbs.                                                |

### 24 VDC Rack Configurations

| Description          | Part Number        |
|----------------------|--------------------|
| 5-shelf battery rack | 088-7152-0123-0000 |
| 4-shelf battery rack | 088-7142-0123-0000 |
| 3-shelf battery rack | 088-7132-0123-0000 |

### Installation Kit

| Description                               | Part Number |
|-------------------------------------------|-------------|
| Includes base, isolation pad and hardware | 304791      |

### 48 VDC Rack Configurations

| Description          | Part Number        |
|----------------------|--------------------|
| 5-shelf battery rack | 088-7154-0123-0000 |
| 4-shelf battery rack | 088-7144-0123-0000 |
| 3-shelf battery rack | 088-7134-0123-0000 |

### Battery Disconnect Kits

| Description                    | Part Number     |
|--------------------------------|-----------------|
| Battery disconnect kit, 24 VDC | 0CB-B10-3-KIT24 |
| Battery disconnect kit, 48 VDC | 0CB-B10-3-KIT48 |

# Fuses, Circuit Breakers & Accessories

## GMT Fuses

*Maximum amperage: 20A*

Typically used for power distribution to LEDs on connectivity panels, lower amperage network elements and other traditional equipment, GMT fuses are likely the most commonly utilized power distribution components in telecommunications networks.



| Amperage           | GMT Fuses | Designation Pins         |
|--------------------|-----------|--------------------------|
| 18/100A            | 130781    | 102435-21 (yellow)       |
| 1/4A               | 100151    | 102435-2 (violet)        |
| 1/2A               | 004001    | 102435-5 (red)           |
| 3/4A               | 004008    | 102435-7 (brown)         |
| 1A                 | 100991    | 102435-8 (gray)          |
| 1-1/3A             | 004006    | 102435-9 (white)         |
| 1-1/2A             | 004011    | 102435-10 (white/yellow) |
| 2A                 | 004002    | 102435-11 (orange)       |
| 3A                 | 004012    | 102435-13 (blue)         |
| 3.5A               | 130782    | 102435-14 (white/blue)   |
| 4A                 | 004013    | 102435-15 (white/brown)  |
| 5A                 | 004014    | 102435-16 (green)        |
| 7-1/2A             | 004010    | 102435-17 (black/white)  |
| 10A                | 004015    | 102435-18 (red/white)    |
| 12A                | 102287    | 102435-19 (yellow/green) |
| 15A                | 102288    | 102435-20 (red/blue)     |
| 20A                | 127240RC  | 102435-22 (green/white)  |
| 20A w/safety cover | 131340    | 102435-22 (green/white)  |

*Note: Standard safety covers do not fit 20A fuses. For 20A fuse with safety cover order product 131340 above.*



## GMT Accessories

|                       |          |
|-----------------------|----------|
| GMT fuse puller       | 06113-03 |
| GMT dummy fuse        | 132748   |
| GMT fuse safety cover | 116915   |

## KLM Fuses

*Maximum amperage: 30A*

In applications such as cable backhaul or telecom environments where 20A is not sufficient as a protection/interrupt device, KLM fuses are a good fit. These panels provide higher output amperage capacity at a cost-effective price.



| Amps | Part Number | Amps       | Part Number |
|------|-------------|------------|-------------|
| 1A   | 118675      | 20A        | 118440      |
| 2A   | 118676      | 25A        | 118441      |
| 5A   | 118673      | 30A        | 118442      |
| 10A  | 118438      | Dummy fuse | 110852      |
| 15A  | 118439      |            |             |



## Ring Terminals (qty. of 10)

|             |          |
|-------------|----------|
| #12-#10 AWG | 06122-06 |
| #16-#14 AWG | 06122-01 |
| #22-#18     | 06122-02 |

## 2-Hole Compression Lugs, 5/8" Spacing (qty. of 2)

|        |          |
|--------|----------|
| #1 AWG | 06117-13 |
| #2 AWG | 06117-02 |
| #4 AWG | 06117-04 |
| #6 AWG | 06117-01 |
| #8 AWG | 06117-11 |

## 2-Hole Compression Lugs, 1" Spacing (qty. of 2)

|             |        |
|-------------|--------|
| 1/0-#1 AWG  | 116108 |
| 2/0-1/0 AWG | 116109 |
| 3/0-2/0 AWG | 116110 |



# Fuses, Circuit Breakers & Accessories

## TPA Fuses

*Maximum amperage: 50A*

In high-density/high-capacity backhaul applications, power requirements increase. TPA Fuses feature ratings up to 50A. This higher rating enables the management of power to equipment such as routers, DSLAMs and powered SONET equipment in metro area networks and other higher-density applications.



| Amps | Part Number | Amps | Part Number |
|------|-------------|------|-------------|
| 5A   | 124818      | 25A  | 125244      |
| 10A  | 124819      | 30A  | 122734      |
| 15A  | 124820      | 40A  | 122738      |
| 20A  | 124821      | 50A  | 122739      |

## TPC Fuses

*Maximum amperage: 125A*

Ideal for core routers, blade servers, and other emerging high-current active equipment, TPC fuses maximize power distribution capacity in minimal space. Fuses up to 100A are an excellent fit in load center applications.



| Amps | Part Number | Amps       | Part Number |
|------|-------------|------------|-------------|
| 25A  | 125441      | 75A        | 125446      |
| 30A  | 125442      | 90A        | 125447      |
| 40A  | 125443      | 100A       | 125448      |
| 50A  | 125444      | TPC holder | 129347      |
| 60A  | 125445      |            |             |

## TPS/TLS Fuses

*Maximum amperage: 70A/125A*

Similar to TPC fuses, TPS/TLS fuses handle ultra high-current loads in a compact footprint. Choosing between TPC and TPS/TLS fuses is usually a matter of user



| Amps                   | Part Number | Amps       | Part Number |
|------------------------|-------------|------------|-------------|
| 3A                     | 130479      | 50A        | 130484      |
| 5A                     | 130481      | 60A        | 130486      |
| 6A                     | 130483      | 70A        | 130488      |
| 10A                    | 130485      | 80A        | 140640      |
| 15A                    | 130487      | 90A        | 140641      |
| 20A                    | 130489      | 100A       | 140642      |
| 25A                    | 130476      | 110A       | 140643      |
| 30A                    | 130478      | 125A       | 140644      |
| 40A                    | 130482      | TFD holder | 129816      |
| Load center fuse cover | 600CB1X-CFK |            |             |

## Circuit Breakers

*Maximum Amperage: Various*

Circuit breakers provide flexibility in amperage rating and the simplicity of resetting the breaker after power interruption. Options include in a broad variety of amperages, as well as single-pole, double-pole and triple-pole designs.



### For use with load center panels and frames

| Amps             | Part No. | Amps                                    | Part No.    |
|------------------|----------|-----------------------------------------|-------------|
| 1A, single-pole  | 118714   | 70A, single-pole                        | 118161      |
| 2A, single pole  | 119103   | 80A, single-pole                        | 118162      |
| 3A, single-pole  | 124210   | 90A, single-pole                        | 118163      |
| 5A, single-pole  | 117852   | 100A, single-pole                       | 118159      |
| 10A, single-pole | 116669   | 125A, double-pole                       | 134634      |
| 15A, single-pole | 115999   | 150A, double-pole                       | 134635      |
| 20A, single-pole | 116670   | 175A, double-pole                       | 135921      |
| 25A, single-pole | 117402   | 200A, double-pole                       | 135922      |
| 30A, single-pole | 116671   | Double-pole adapter for load connection | 600CB08-2PK |
| 50A, single-pole | 116673   | 225A, triple-pole                       | 134637      |
| 60A, single-pole | 118160   | 250A, triple-pole                       | 134638      |
|                  |          | Triple-pole adapter for load connection | 600CB08-3PK |



### For use with high-current circuit breaker panels

| Amps | Part Number   | Amps | Part Number   |
|------|---------------|------|---------------|
| 1A   | 090-0052-0001 | 40A  | 090-0052-0040 |
| 2A   | 090-0052-0002 | 50A  | 090-0052-0050 |
| 3A   | 090-0052-0003 | 60A  | 090-0052-0060 |
| 5A   | 090-0052-0005 | 70A  | 090-0052-0070 |
| 10A  | 090-0052-0010 | 80A  | 090-0052-0080 |
| 20A  | 090-0052-0020 | 90A  | 090-0052-0090 |
| 25A  | 090-0052-0025 | 100A | 090-0052-0100 |
| 30A  | 090-0052-0030 |      |               |

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| 122738 ..... | P-20 | 007-0003-0002 .....     | P-16       | 090-0052-0100 .....      | P-10, P-20 | HPGMT20 .....         | P-5      |
| 122739 ..... | P-20 | 007-0006-0400 .....     | P-16       | 090-0052-1001 .....      | P-16       | HPGMT20S .....        | P-5      |
| 124210 ..... | P-20 | 007-0006-0600 .....     | P-16       | 090-0052-1002 .....      | P-16       | OCB-B10-3-KIT24 ..... | P-18     |
| 124818 ..... | P-20 | 009-0016-1001 .....     | P-6        | 090-0052-1003 .....      | P-16       | OCB-B10-3-KIT48 ..... | P-18     |
| 124819 ..... | P-20 | 009-2005-0000 .....     | P-6        | 090-0052-1005 .....      | P-16       |                       |          |
| 124820 ..... | P-20 | 009-6212-2100 .....     | P-10       | 090-0052-1010 .....      | P-16       |                       |          |
| 124821 ..... | P-20 | 009-7000-0104 .....     | P-12       | 090-0052-1020 .....      | P-16       |                       |          |
| 125244 ..... | P-20 | 009-7001-0104 .....     | P-12       | 090-0052-1025 .....      | P-16       |                       |          |
| 125441 ..... | P-20 | 009-7001-0104-TFD ..... | P-12       | 090-0052-1030 .....      | P-16       |                       |          |
| 125442 ..... | P-20 | 009-8004-0104 .....     | P-7        | 090-0052-1040 .....      | P-16       |                       |          |
| 125443 ..... | P-20 | 009-8004-0104H .....    | P-7        | 090-0052-1050 .....      | P-16       |                       |          |
| 125444 ..... | P-20 | 009-8004-0105 .....     | P-7        | 090-0052-1060 .....      | P-16       |                       |          |
| 125445 ..... | P-20 | 009-8004-0124 .....     | P-7        | 090-0052-1070 .....      | P-16       |                       |          |
| 125446 ..... | P-20 | 009-8004-0208 .....     | P-7        | 090-0052-1080 .....      | P-16       |                       |          |
| 125447 ..... | P-20 | 009-8005-0404 .....     | P-8        | 090-0052-1090 .....      | P-16       |                       |          |

# racks

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# racks

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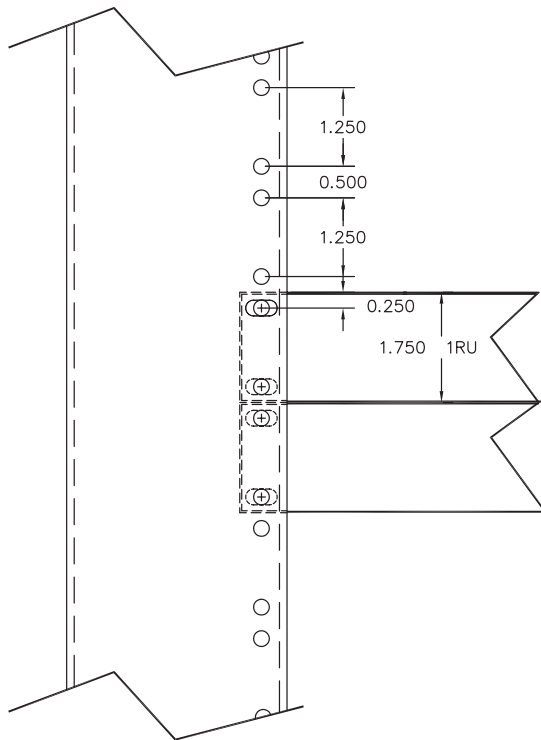
# Product Selection Guide

| Rack                                   | Width          | Height                  | Hole Spacing | Seismic Rating   | Key Feature/Application                                                                                | Static Rating |
|----------------------------------------|----------------|-------------------------|--------------|------------------|--------------------------------------------------------------------------------------------------------|---------------|
| Seismic-Certified Unequal Flange Racks | 19"/23"        | 7', 9', 11'6"           | EIA or WECO  | Up to 450 lbs.   | Standard for telecom central offices; built-in cable management                                        | Up to 2000    |
| Non-Seismic Unequal Flange Racks       | 19"/23"        | 7', 9', 11'6"           | EIA or WECO  | N/A              | Widely deployed in telecom central offices; comprehensive range of options to fit various requirements | Up to 1500    |
| Seismic-Certified Network Bays         | 19"/23"        | 7', 9', 11'6"           | EIA or WECO  | Up to 450 lbs.   | Broad range of applications; guard boxes support externally mounted electrical strips                  | Up to 2000    |
| Non-Seismic Network Bays               | 19"/23"        | 7', 9', 11'6"           | EIA or WECO  | N/A              | Although not a seismic-certified rack, still a robust solution for many applications                   | Up to 1500    |
| Channel Racks                          | 19"/23"        | 7', 9', 11'6"           | EIA or WECO  | N/A              | Basic equipment rack functionality; aluminum or steel design                                           | Up to 800     |
| Knock-Down Channel Rack                | 19"/23"        | 4'; extensions up to 7' | Universal    | N/A              | Indoor home applications including A/V or computer networks                                            | Up to 800     |
| Gated Racks                            | 19"/23"        | 7'2"                    | EIA or WECO  | N/A              | Wall-mountable, depth up to 20"                                                                        | Up to 800     |
| Global Seismic Frames                  | 19"/23" 600 mm | 7', 2130 mm, 2200 mm    | EIA or ETSI  | Up to 850 lbs.   | Provides Zone 4 compatibility worldwide                                                                | Up to 3000    |
| Heavy Duty Battery Racks               | 23"            | 7'                      | EIA          | Up to 2,600 lbs. | Only two-post solution available; single solution for FCC battery backup requirements                  | Up to 2700    |
| Indoor Cabinets                        | 19"/23"        | 7'                      | EIA or WECO  | Up to 525 lbs.   | Provide additional protection/security for critical equipment                                          | Up to 3000    |
| Wall-Mount Indoor Cabinets             | 19"/23"        | 22.5"/34"               | EIA or WECO  | N/A              | Ideal for limited-space environments; multiple configurations available                                | Up to 500     |

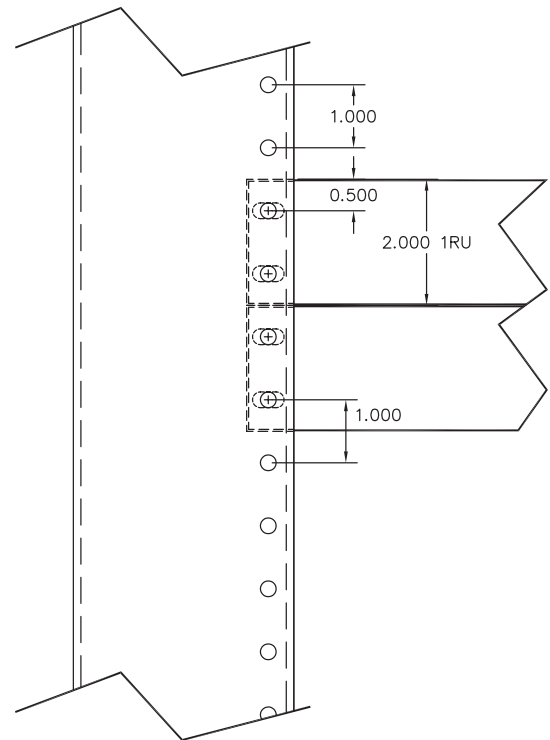
## Seismic Certifications

| Rack Type                | Seismic Certification | Sizes                                                                                          | Details                                                   | Static Rating | See Page  |
|--------------------------|-----------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------|-----------|
| Network bays             | Up to 450 lbs.        | Height: 7', 9', 11'6"<br>Width: 19", 23"                                                       | Simple and effective rack solution                        | Up to 2000    | R-19      |
| Unequal flange racks     | Up to 450 lbs.        | Height: 7', 9', 11'6"<br>Width: 19", 23"                                                       | The standard in most telecom central offices              | Up to 2000    | R10 - R15 |
| Seismic indoor cabinets  | Up to 525 lbs.        | Height: 7' Width: 19", 23"<br>Depth: 36"                                                       | Fully enclosed equipment housing for additional security  | Up to 3000    | R-24      |
| Global seismic frames    | Up to 850 lbs.        | Height: 7', 2100 mm, 2200 mm, Width: 19", 23", 600 mm<br>Depth: 300 mm, 450 mm, 600 mm, 750 mm | For Zone 4 compatibility worldwide                        | Up to 3000    | R-20      |
| Heavy duty battery racks | Up to 2,700 lbs.      | Height: 7' Width: 23"                                                                          | For use specifically in backup power/battery applications | Up to 4000    | R-21      |

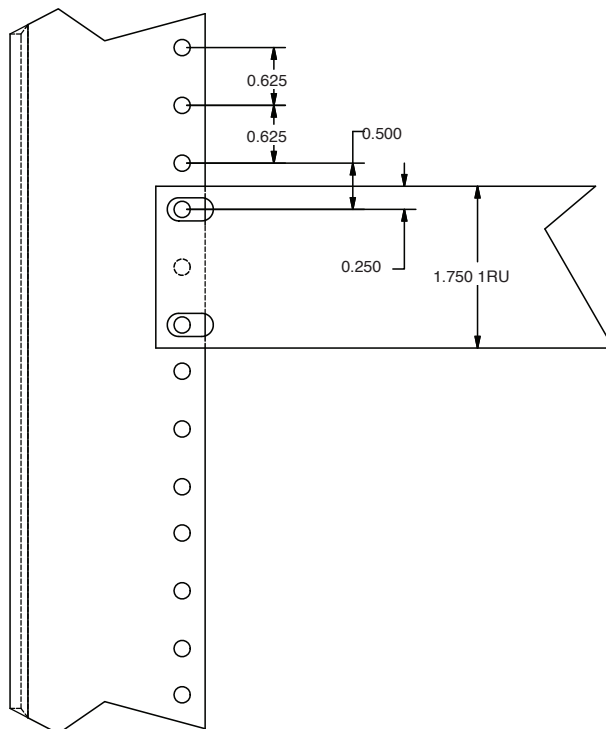
# EIA, WECO & ETSI Rack Spacing Dimensions & Specifications



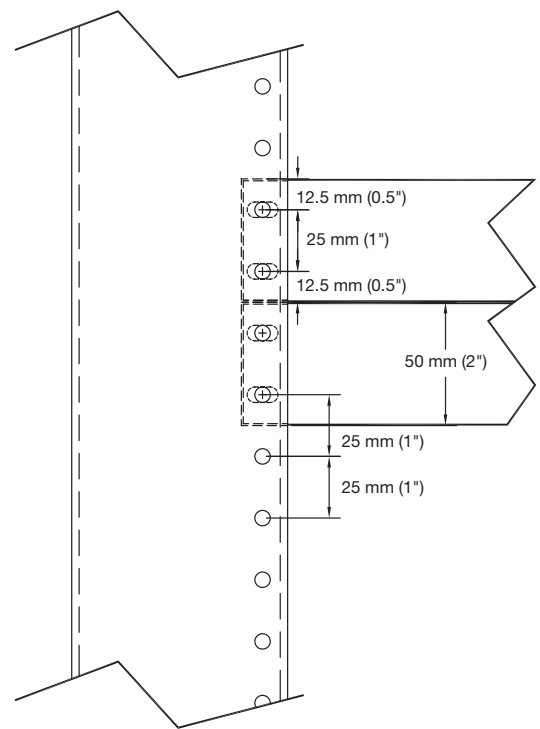
**EIA Wide\***



**WECO Wide\***



**EIA Universal\***

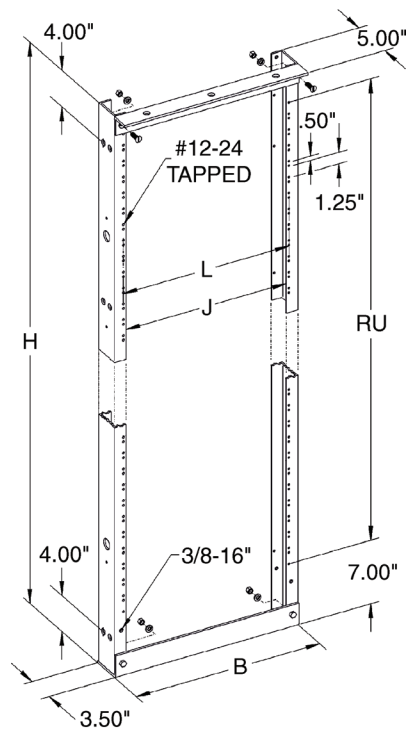


**ETSI\***

\*Offered in square, tapped and through hole variants.

# Channel Racks

## Overhead Supported



### Ordering Information

02000 - 01 A F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Options (List Alphabetically)     |                     |
|-----------------------------------|---------------------|
| A                                 | Drilled rear flange |
| B                                 | Welded rack         |
| Leave blank for standard features |                     |

| Height (H) | RU-EIA Wide | RU-WECO Wide |
|------------|-------------|--------------|
| 01         | 7'          | 43           |
| 04         | 9'          | 56           |
| 05         | 11'6"       | 73           |

| Rack Series | B            | J       | L       |
|-------------|--------------|---------|---------|
| 02000       | 19" steel    | 20.312" | 18.312" |
| 02001       | 19" aluminum | 20.312" | 18.312" |
| 02002       | 23" steel    | 24.312" | 22.312" |
| 02003       | 23" aluminum | 24.312" | 22.312" |

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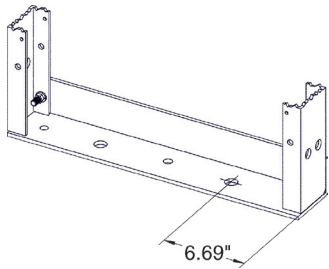
Static Rating :: Up to 800 lbs

### Features

- Available in 19" and 23", with EIA or WECO hole spacing
- Drilled and tapped to receive guard rails, cable rings and accessories
- Holes provided in sides for joining racks or mounting ladder end guards
- Equipped with top angles and bolts for assemblies

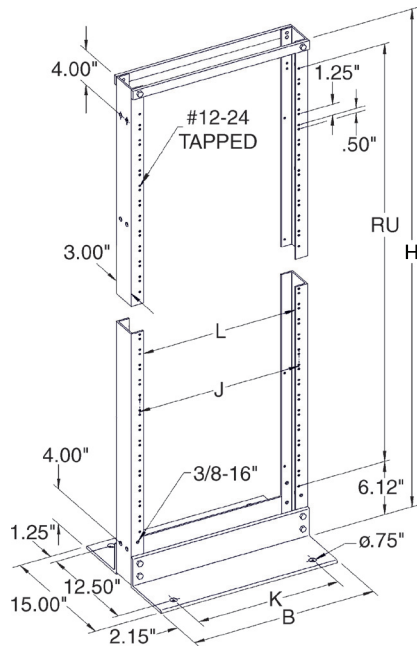
### Specifications

| Mounting holes             | 12-24 tapped                          |
|----------------------------|---------------------------------------|
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Steel                      |                                       |
| Uprights                   | 3"- 4.1# channel                      |
| Top                        | 2" x 2" x .25" angle                  |
| Base                       | 2.5" x 3.5" x .25" angle              |
| Aluminum (6061-T6)         |                                       |
| Uprights                   | 3" x 1.28" channel                    |
| Top                        | 2" x 2" x .25" angle                  |
| Base                       | 3.5" x 2.5" x .25" angle              |



# Channel Racks

## Floor Supported



### Ordering Information

02008 - 19 A F +03

#### Color Option

|                                |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

#### Mounting Hole Options

|                                  |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

#### Options (List Alphabetically)

|                                   |                     |
|-----------------------------------|---------------------|
| A                                 | Drilled rear flange |
| B                                 | Welded rack         |
| D                                 | Top angle           |
| Leave blank for standard features |                     |

| Height | H     | RU       |           |
|--------|-------|----------|-----------|
|        |       | EIA Wide | WECO Wide |
| 19     | 4'    | 23       | 20        |
| 03     | 7'    | 44       | 38        |
| 08     | 9'    | 57       | 50        |
| 09     | 11'6" | 74       | 65        |

| Rack Series |              | B       | J       | L      | K   |
|-------------|--------------|---------|---------|--------|-----|
| 02008       | 19" aluminum | 20.312" | 18.312" | 17.75" | 16" |
| 02011       | 23" aluminum | 24.312" | 22.312" | 21.75" | 20" |

**Static Rating :: Up to 800 lbs**

### Features

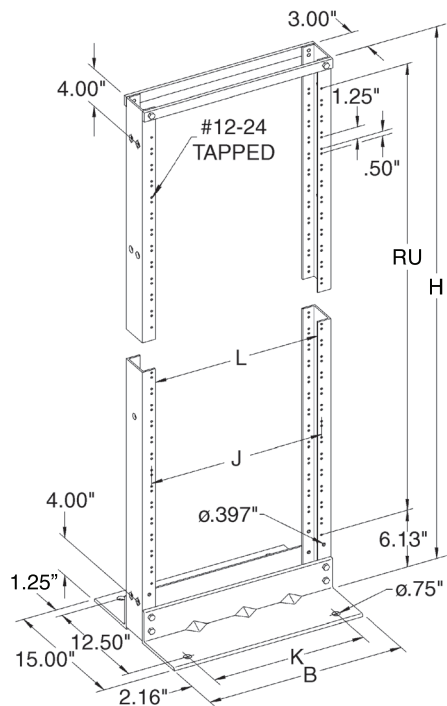
- Rack assemblies are bolted and have drilled front flange
- All racks drilled and tapped to receive accessories
- Holes provided in sides for joining racks or mounting ladder end guards
- All racks equipped with top bars, base angles and bolts
- Order guard rails and accessories as required
- Different RU options available
- 08014 series wrap-around cabinet available, see page R-25 and R-26

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| <b>Steel</b>               |                                       |
| Uprights                   | 3" x 1.41" - 4.1# channel             |
| Top                        | 1" x .375" bars                       |
| Base                       | 3.5" x 6" x .3125" angles             |
| <b>Aluminum (6061-T6)</b>  |                                       |
| Uprights                   | 3" x 1.28" channel, .25"              |
| Top                        | 1" x .375" bars                       |
| Base                       | 3.5" x 6" x .375" angles              |

# Channel Racks

## Floor Supported, Formed Steel



### Ordering Information

02039 - 19 B F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Options (List Alphabetically)     |             |
|-----------------------------------|-------------|
| B                                 | Welded rack |
| D                                 | Top angle   |
| Leave blank for standard features |             |

| Height | RU    |          |           |
|--------|-------|----------|-----------|
|        | H     | EIA Wide | WECO Wide |
| 19     | 4'    | 23       | 20        |
| 03     | 7'    | 44       | 38        |
| 08     | 9'    | 57       | 50        |
| 09     | 11'6" | 74       | 65        |

| Rack Series |           | B       | J       | L      | K   |
|-------------|-----------|---------|---------|--------|-----|
| 02039       | 19" steel | 20.312" | 18.312" | 17.75" | 16" |
| 02040       | 23" steel | 24.312" | 22.312" | 21.75" | 20" |

Static Rating :: Up to 800 lbs

### Features

- All racks are equipped with two top bars, base angles and hardware for assembly
- Holes are provided on each side for joining racks or mounting end guards
- .375"-16 threaded shock mount inserts are available for mounting shipping angles
- Channel racks are drilled and tapped on front and rear flanges to receive many unique options and accessories
- Different RU options are available
- 08014 series wrap-around cabinet available, see page R-25 and R-26

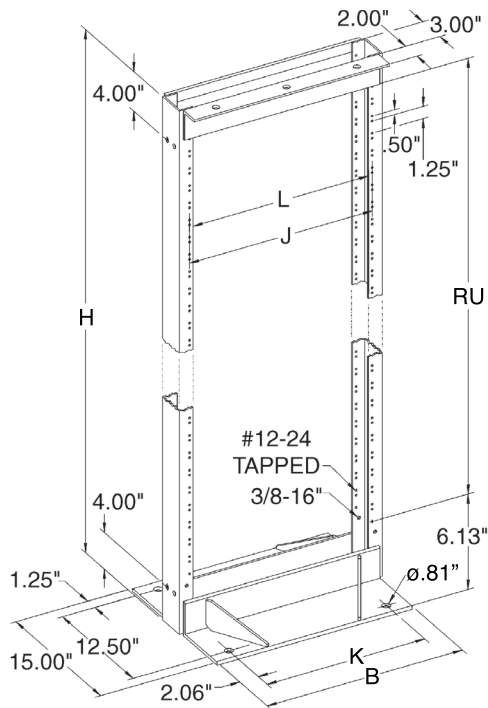
### Specifications

| Mounting holes             | 12-24 tapped                          |
|----------------------------|---------------------------------------|
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Steel                      |                                       |
| Uprights                   | .120" cold-rolled steel               |
| Top                        | 1" x .375" bars                       |
| Base                       | .25" hot-rolled steel                 |



## Channel Racks

Floor Supported, Heavy Duty



## Ordering Information

| Height |       | RU       |            |
|--------|-------|----------|------------|
|        | H     | EIA Wide | WECCO Wide |
| 19     | 4'    | 22       | 19         |
| 03     | 7'    | 42       | 37         |
| 08     | 9'    | 56       | 49         |
| 09     | 11'6" | 73       | 64         |

| Rack Series | B         | J       | L       | K       |
|-------------|-----------|---------|---------|---------|
| 12357       | 19" steel | 20.624" | 18.312" | 17.812" |
| 12358       | 23" steel | 24.624" | 22.312" | 21.812" |

**Static Rating :: Up to 800 lbs**

## Features

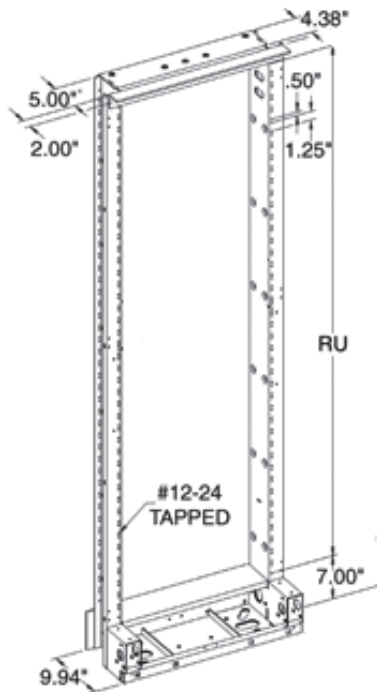
- All racks are welded, have drilled front and rear flanges and include a top angle with extra reinforcements on the base
- Overhead bracing is required for seismic installations
- All racks are drilled and tapped to receive guard rails, cable rings and accessories
- Holes are provided in sides for joining racks or mounting ladder end guards
- Welded construction
- 3-inch high top angle may prevent mounting of deep equipment in top mounting space
- Order seismic anchor kit, 02100-19, separately
- Order guard rails and accessories as required
- Different RU options available

## Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| <b>Steel</b>               |                                       |
| Uprights                   | 3" x 1.41" - 4.1# channel             |
| Top bar                    | 1" x .375" bars                       |
| Top angle                  | 2" x 3" x .25"                        |
| Base                       | 3.5" x 6" x .3125" angles             |

# Unequal Flange Racks

19", Seismic, Guard Box on Wide Flange (closed duct, front guard box)



Unequal flange racks are the core of telecom central office installations, with built-in cable management.

**Static Rating :: Up to 1,500 lbs**  
**Seismic Rating :: Up to 450 lbs**

## Features

- 7' unequal flange seismic racks are compliant to Telcordia requirements to support up to 300 lbs. of equipment in Zone 4 seismic areas
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear of the rack
- Unequal flange racks are drilled and tapped to receive many unique options and accessories
- Different RU options are available

## Included Accessories

- All racks include junction hardware, shim, and static kits
- Racks with top angles also include V-bolt kits
- Equipped with wrist strap ground connection point
- Rack assembly includes seismically tested and approved concrete floor anchor kit

## Ordering Information

12353 - 01 F +03

| Color Option |                                |  |  |
|--------------|--------------------------------|--|--|
| +03          | Black                          |  |  |
| +44          | C.O. white                     |  |  |
| +50          | Network blue                   |  |  |
| +51          | Putty white                    |  |  |
|              | Leave blank for telephone gray |  |  |

| Mounting Hole Options |                                  |  |  |
|-----------------------|----------------------------------|--|--|
| F                     | WECO wide spacing (1", 1")       |  |  |
|                       | Leave blank for EIA wide spacing |  |  |

| Height |       | RU       |           |
|--------|-------|----------|-----------|
|        | H     | EIA Wide | WECO Wide |
| 01     | 7'    | 43       | 38        |
| 21*    | 7'    | 43       | 37        |
| 04*    | 9'    | 56       | 49        |
| 05*    | 11'6" | 73       | 64        |

B=21.938", J=18.312", L=17.5"  
 \*Top angle included

## Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (.5", .5", 1.25")           |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |

## KW Series without Anchors

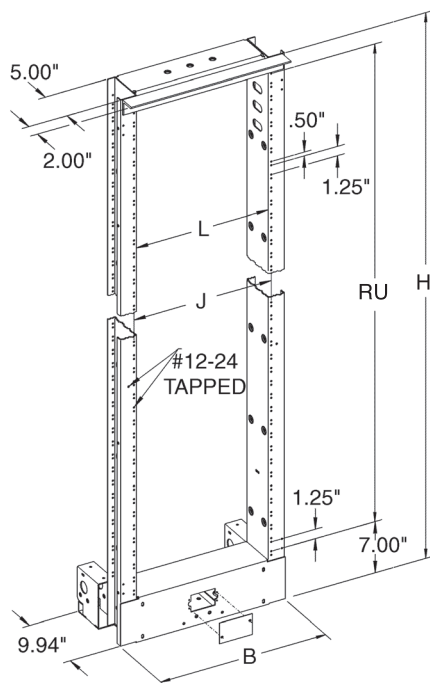
| Description      | EIA Hole Spacing (43 RU) | WECO Hole Spacing (38 RU) |
|------------------|--------------------------|---------------------------|
| 7', open duct    | 12354KW221               | 12354KW221F               |
| 7', open duct*   | 12354KW201               | 12354KW201F               |
| 7', closed duct  | 12353KW221               | 12353KW221F               |
| 7', closed duct* | 12353KW201               | 12353KW201F               |
| 9', open duct    | 12354KW204               | 12354KW204F               |
| 9', closed duct  | 12353KW204               | 12353KW204F               |
| 11', open duct   | 12354KW205               | 12354KW205F               |
| 11', closed duct | 12353KW205               | 12353KW205F               |

\*Does not include top angle

Note: 12353 are 19" wide flange/front guard box and 12354 are 19" narrow flange/rear guard box

# Unequal Flange Racks

19", Seismic, Guard Box on Narrow Flange (open duct, rear guard box)



Top angle and guard box on wide flange  
(all except -01)

## Ordering Information

12354 - 01 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

|                               | Height |          |           | RU |  |
|-------------------------------|--------|----------|-----------|----|--|
|                               | H      | EIA Wide | WECO Wide |    |  |
| 01                            | 7'     | 43       | 38        |    |  |
| 21*                           | 7'     | 43       | 37        |    |  |
| 04*                           | 9'     | 56       | 49        |    |  |
| 05*                           | 11'6"  | 73       | 64        |    |  |
| B=21.938", J=18.312", L=17.5" |        |          |           |    |  |
| *Top angle included           |        |          |           |    |  |

**Static Rating :: Up to 1,500 lbs**  
**Seismic Rating :: Up to 450 lbs**

## Features

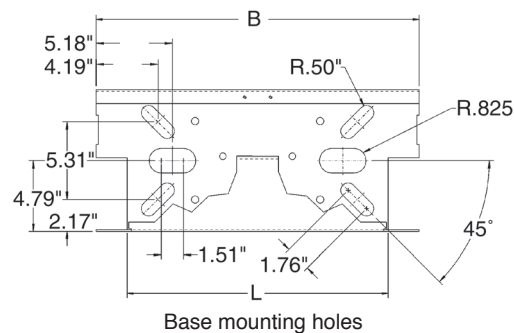
- 7' unequal flange cable duct racks are compliant to Telcordia requirements to support up to 300 lbs. of equipment in Zone 4 seismic areas
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear of the rack
- Unequal flange racks are drilled and tapped to receive many unique options and accessories
- Unequal flange racks are dimensionally equivalent to telephone industry standard racks
- Different RU options are available

## Included Accessories

- All racks include junction hardware, shim, and static kits
- Racks with top angles also include V-bolt kits
- Equipped with wrist strap ground connection point
- Rack assembly includes seismically tested and approved concrete floor anchor kit

## Specifications

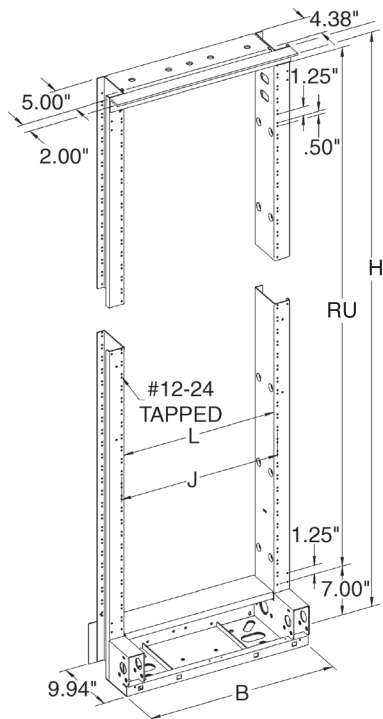
|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |



**See table on page R-7 for  
racks without anchors**

# Unequal Flange Racks

## 23", Seismic, Guard Box on Wide Flange (closed duct, front guard box)



Top angle and guard box on wide flange  
(all except -01)

### Ordering Information

12300 - 01 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height                        |       | RU       |           |
|-------------------------------|-------|----------|-----------|
|                               | H     | EIA Wide | WECO Wide |
| 01                            | 7'    | 43       | 38        |
| 21*                           | 7'    | 43       | 37        |
| 04*                           | 9'    | 56       | 49        |
| 05*                           | 11'6" | 73       | 64        |
| B=25.938", J=22.312", L=21.5" |       |          |           |
| *Top angle included           |       |          |           |

Static Rating :: Up to 800 lbs  
Seismic Rating :: Up to 450 lbs

### Features

- 7' unequal flange cable duct racks are compliant to Telcordia requirements to support up to 300 lbs. of equipment in Zone 4 seismic areas, GR63 tested
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear of the rack
- Unequal flange racks are drilled and tapped to receive many unique options and accessories
- Dimensionally equivalent to telephone industry standard racks
- Different RU options are available
- 08032 co-location enclosure fits this rack

### Included Accessories

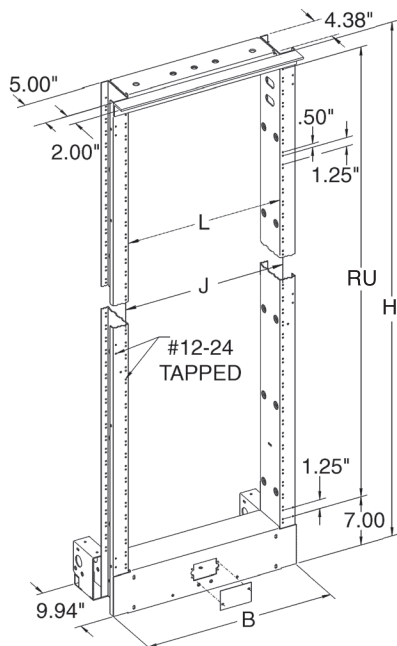
- All racks include junction hardware, shim, and static kits
- Racks with top angles also include V-bolt kits
- Equipped with wrist strap ground connection point
- Rack assembly includes seismically tested and approved concrete floor anchor kit

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |

# Unequal Flange Racks

23", Seismic, Guard Box on Narrow Flange (open duct, rear guard box)



Top angle on wide flange  
and guard box on narrow flange (all except -01)

## Ordering Information

12301 - 01 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height                        |       | RU       |           | Support lbs. |
|-------------------------------|-------|----------|-----------|--------------|
|                               | H     | EIA Wide | WECO Wide |              |
| 01                            | 7'    | 43       | 38        | 300          |
| 21*                           | 7'    | 43       | 37        | 300          |
| 04*                           | 9'    | 56       | 49        | 300          |
| 05*                           | 11'6" | 73       | 64        | 300          |
| 201                           | 7     | 43       | 38        | 400          |
| 221*                          | 7     | 43       | 37        | 400          |
| 204*                          | 9     | 56       | 49        | 400          |
| 205*                          | 11'6" | 73       | 64        | 400          |
| B=25.938", J=22.312", L=21.5" |       |          |           |              |
| *Top angle included           |       |          |           |              |

**Static Rating :: Up to 800 lbs**  
**Seismic Rating :: Up to 450 lbs**

## Features

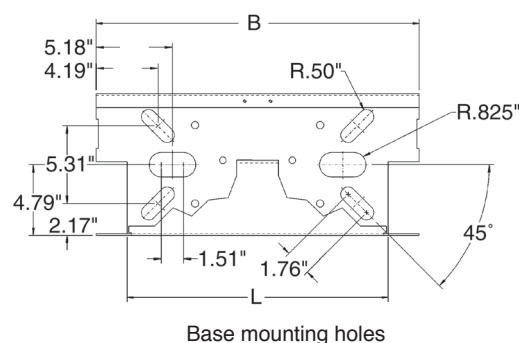
- 7' unequal flange racks are compliant to Telcordia requirements to support up to 300 or 400 lbs. of equipment in Zone 4 seismic areas, GR63 tested
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear of the rack
- Drilled and tapped to receive many unique options and accessories
- Dimensionally equivalent to telephone industry standard racks
- Different RU options are available
- 08032 co-location enclosure fits this rack

## Included Accessories

- All racks include junction hardware, shim, and static kits
- Racks with top angles also include V-bolt kits
- Equipped with wrist strap ground connection point
- Rack assembly includes seismically tested and approved concrete floor anchor kit

## Specifications

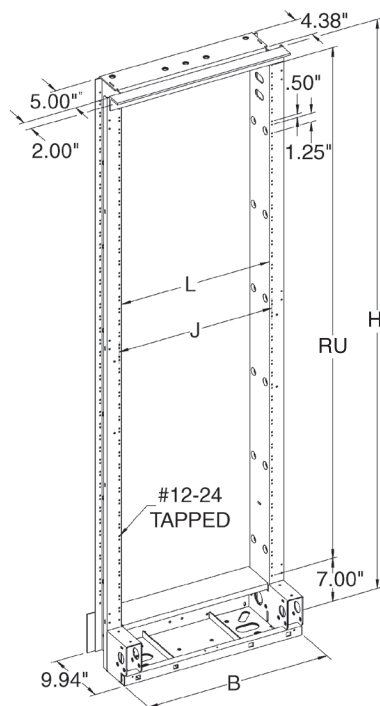
|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (.5", .5", 1.25")           |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |





# Unequal Flange Racks

## 23", Heavy-Duty Seismic, Guard Box on Wide Flange (closed duct)



Top angle & guard box on wide flange  
(all except -201)

### Ordering Information

12300 - 201 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height                        |       | RU       |           |
|-------------------------------|-------|----------|-----------|
|                               | H     | EIA Wide | WECO Wide |
| 201                           | 7     | 43       | 38        |
| 221*                          | 7     | 43       | 37        |
| 204*                          | 9     | 56       | 49        |
| 205*                          | 11'6" | 73       | 64        |
| B=25.938", J=22.312", L=21.5" |       |          |           |
| *Top angle included           |       |          |           |

Static Rating :: Up to 800 lbs  
Seismic Rating :: Up to 450 lbs

### Features

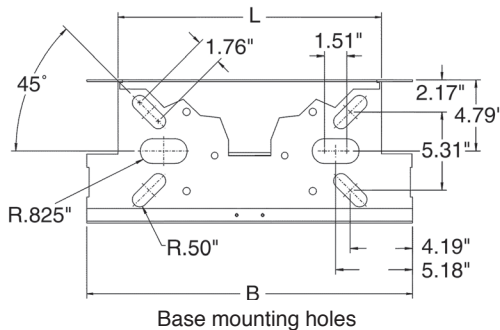
- 7' heavy-duty unequal flange racks are compliant to Telcordia seismic requirements to support up to 450 lbs. without cross-bracing, GR63 tested
- The addition of dampening panels or shelves may increase the side-to-side stiffness for higher loads
- Equipment mounting holes provided on the front and rear of the rack
- Drilled and tapped to receive many unique options and accessories
- Dimensionally equivalent to telephone industry standard racks
- Racks 7' to 8' are floor supported only (racks greater than 8' do not benefit from having heavy gauge uprights and gussets, as they are also supported at the top during installation)
- Different RU options are available
- 08032 co-location enclosure fits this rack

### Included Accessories

- Seismically tested and approved concrete floor anchor kit
- Junction hardware, shim, and static kits
- Wrist strap ground connection point
- Racks with top angles also include V-bolt kits

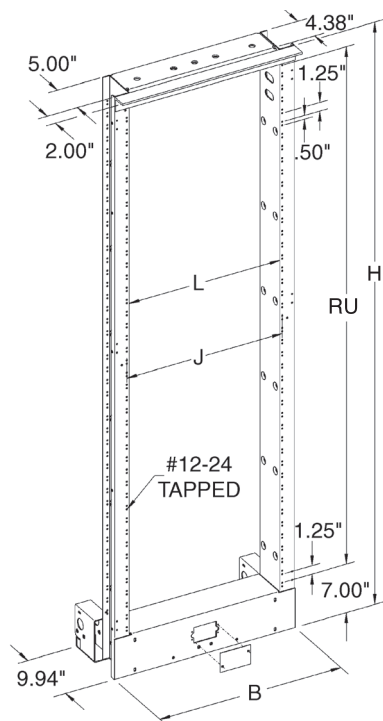
### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |



# Unequal Flange Racks

## 23", Heavy-Duty Seismic, Guard Box on Narrow Flange (open duct)



Top angle on wide flange  
and guard box on narrow flange (all except -201)

### Ordering Information

12301 - 201 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height                        | RU    |                    |
|-------------------------------|-------|--------------------|
|                               | H     | EIA Wide WECO Wide |
| 201                           | 7     | 43 38              |
| 221*                          | 7     | 43 37              |
| 204*                          | 9     | 56 49              |
| 205*                          | 11'6" | 73 64              |
| B=25.938", J=22.312", L=21.5" |       |                    |
| *Top angle included           |       |                    |

**Static Rating :: Up to 800 lbs**  
**Seismic Rating :: Up to 450 lbs**

### Features

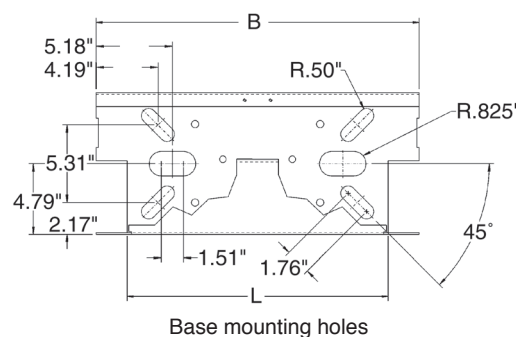
- 7' heavy-duty unequal flange racks are compliant to Telcordia seismic requirements to support up to 450 lbs. without cross-bracing, GR63 tested
- The addition of dampening panels or shelves may increase the side-to-side stiffness for higher loads
- Equipment mounting holes provided on the front and rear of the rack
- Drilled and tapped to receive many unique options and accessories
- Dimensionally equivalent to telephone industry standard racks
- Racks 7' to 8' are floor supported only (racks greater than 8' do not benefit from having heavy gauge uprights and gussets, as they are also supported at the top during installation)
- Different RU options are available
- 08032 co-location enclosure fits this rack

### Included Accessories

- Seismically tested and approved concrete floor anchor kit
- Junction hardware, shim, and static kits
- Wrist strap ground connection point
- Racks with top angles also include V-bolt kits

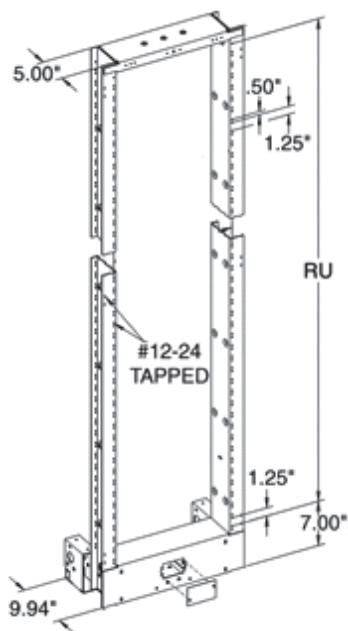
### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |



# Unequal Flange Racks

## 19" and 23", Standard Base



### Ordering Information

02033 - 01 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WECO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height              | RU    |          |           |
|---------------------|-------|----------|-----------|
|                     | H     | EIA Wide | WECO Wide |
| 01                  | 7'    | 43       | 38        |
| 21*                 | 7'    | 43       | 37        |
| 03                  | 8'    | 50       | 44        |
| 23*                 | 8'    | 49       | 43        |
| 04                  | 9'    | 56       | 49        |
| 05                  | 11'6" | 73       | 64        |
| *Top angle included |       |          |           |

| Rack Series |                |                    |         |         |       |
|-------------|----------------|--------------------|---------|---------|-------|
|             | Panel Mounting | Guard Box Location | B       | J       | L     |
| 02033       | 19"            | Narrow flange      | 21.938" | 18.312" | 17.5" |
| 02034       | 19"            | Wide flange        | 21.938" | 18.312" | 17.5" |
| 02035       | 23"            | Narrow flange      | 25.938" | 22.312" | 21.5" |
| 02036       | 23"            | Wide flange        | 25.938" | 22.312" | 21.5" |

Custom heights available

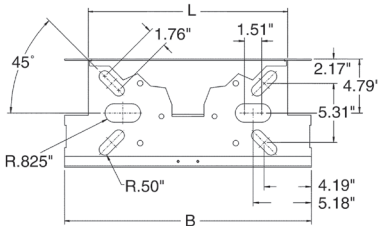
Static Rating :: Up to 800 lbs

### Features

- Conform to GR-63-CORE Earthquake Resistance Criteria when loaded with 300 lbs. and installed with Telect's seismic anchor kit
- Equipment mounting holes provided on front and rear of rack
- Order seismic anchor kit 02100-113B separately
- Includes the following accessories:
  - » Junction hardware, shim and static kits
  - » Racks with top angles also include V-bolt kits
  - » Wrist strap ground connection point

### Specifications

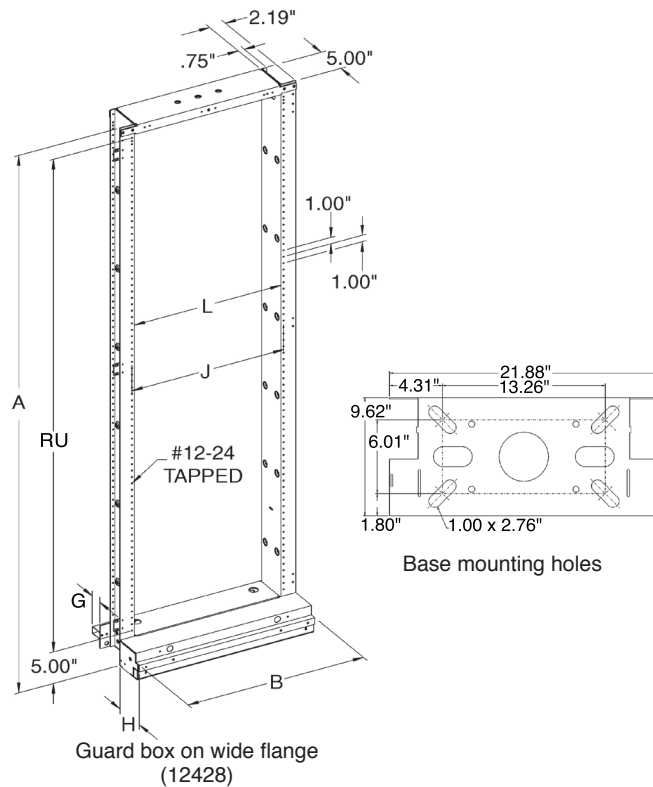
|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |



Base mounting holes

# Network Bays

## 19", Standard Base



The foundation of many central office installations, designed with guard boxes to support externally mounted electrical strips.

**Static Rating :: Up to 800 lbs**

### Features

- Additional dampening panels should be used to increase stiffness
- Equipment mounting holes are provided on the front and rear flange of the frame
- Drilled and tapped to receive options and accessories
- Welded construction is used on the basic frame shown
- Low-profile base arrangement provides additional mounting height
- 08016 wrap-around enclosure fits this rack

### Included Accessories

- Ground wire kit and junction details
- Guard box cover
- Guard rail (for specific configurations)

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |

### Ordering Information

12428 - 0 1 F +03 (Wide flange - closed duct)

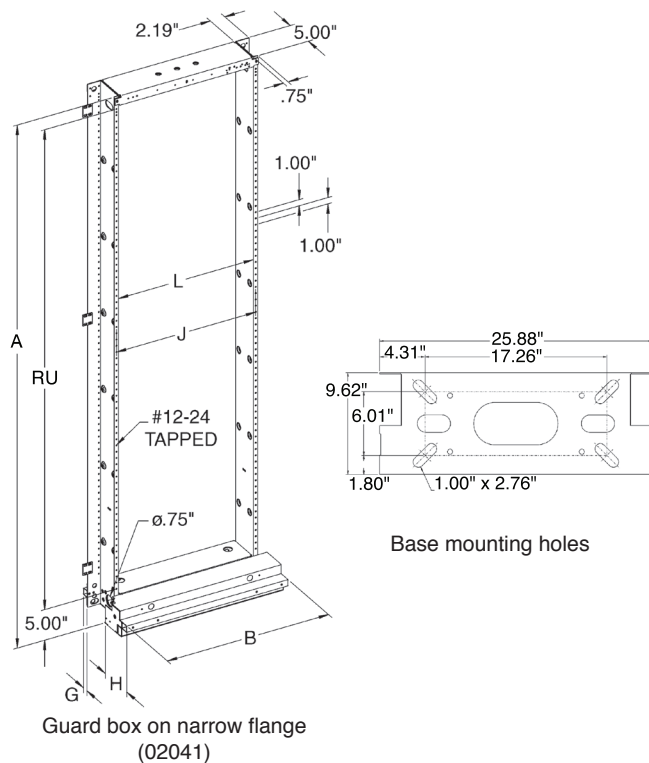
| Color Option                     |                            |                 |           |
|----------------------------------|----------------------------|-----------------|-----------|
| +03                              | Black                      |                 |           |
| +44                              | C.O. white                 |                 |           |
| +50                              | Network blue               |                 |           |
| +51                              | Putty white                |                 |           |
| Leave blank for telephone gray   |                            |                 |           |
| Mounting Hole Options            |                            |                 |           |
| F                                | WECO wide spacing (1", 1") |                 |           |
| Leave blank for EIA wide spacing |                            |                 |           |
| Height                           |                            | RU              |           |
|                                  | A                          | EIA Wide        | WECO Wide |
| 1                                | 7'                         | 44              | 39        |
| 4                                | 9'                         | 57              | 50        |
| 5                                | 11'6"                      | 75              | 65        |
| B=21.875", J=18.312", L=17.5"    |                            |                 |           |
| Options                          |                            |                 |           |
|                                  | Guard Box Cover<br>H       | Guard Rail<br>G |           |
| 0                                | 5"                         | 2"              |           |
| 1*                               | 8"                         | --              |           |
| *7' only                         |                            |                 |           |

12429 - 0 1 F +03 (Narrow flange - open duct)

| Color Option                     |                            |                 |           |
|----------------------------------|----------------------------|-----------------|-----------|
| +03                              | Black                      |                 |           |
| +44                              | C.O. white                 |                 |           |
| +50                              | Network blue               |                 |           |
| +51                              | Putty white                |                 |           |
| Leave blank for telephone gray   |                            |                 |           |
| Mounting Hole Options            |                            |                 |           |
| F                                | WECO wide spacing (1", 1") |                 |           |
| Leave blank for EIA wide spacing |                            |                 |           |
| Height                           |                            | RU              |           |
|                                  | A                          | EIA Wide        | WECO Wide |
| 1                                | 7'                         | 44              | 39        |
| 4                                | 9'                         | 57              | 50        |
| 5                                | 11'6"                      | 75              | 65        |
| B=21.875", J=18.312", L=17.5"    |                            |                 |           |
| Options                          |                            |                 |           |
|                                  | Guard Box Cover<br>H       | Guard Rail<br>G |           |
| 0                                | 6"                         | 1"              |           |
| 1                                | 5"                         | --              |           |

# Network Bays

## 23", Standard Base



**Static Rating :: Up to 800 lbs**

### Features

- 7' network bays are designed to support 300 lbs. of equipment in Zone 4 seismic areas
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear flange of the frame
- Drilled and tapped to receive options and accessories
- Welded construction is used on the basic frame shown
- Junction plates and covers ship with each assembly
- Low-profile base arrangement provides additional mounting height
- Different RU options are available
- 08016 wrap-around enclosure fits each rack

### Included Accessories

- Ground wire kit and junction details
- Guard box cover
- Guard rail (for specific configurations)

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |

### Ordering Information

02041 - 0 1 F +03 (Narrow flange - open duct)

| Color Option                     |                            |                 |           |
|----------------------------------|----------------------------|-----------------|-----------|
| +03                              | Black                      |                 |           |
| +44                              | C.O. white                 |                 |           |
| +50                              | Network blue               |                 |           |
| +51                              | Putty white                |                 |           |
| Leave blank for telephone gray   |                            |                 |           |
| Mounting Hole Options            |                            |                 |           |
| F                                | WECO wide spacing (1", 1") |                 |           |
| Leave blank for EIA wide spacing |                            |                 |           |
| Height                           |                            | RU              |           |
|                                  | A                          | EIA Wide        | WECO Wide |
| 1                                | 7'                         | 44              | 39        |
| 4                                | 9'                         | 57              | 50        |
| 5                                | 11'6"                      | 75              | 65        |
| B=25.938", J=22.312", L=21.5"    |                            |                 |           |
| Options                          |                            |                 |           |
|                                  | Guard Box Cover<br>H       | Guard Rail<br>G |           |
| 0                                | 6"                         | 1"              |           |
| 1                                | 5"                         | --              |           |

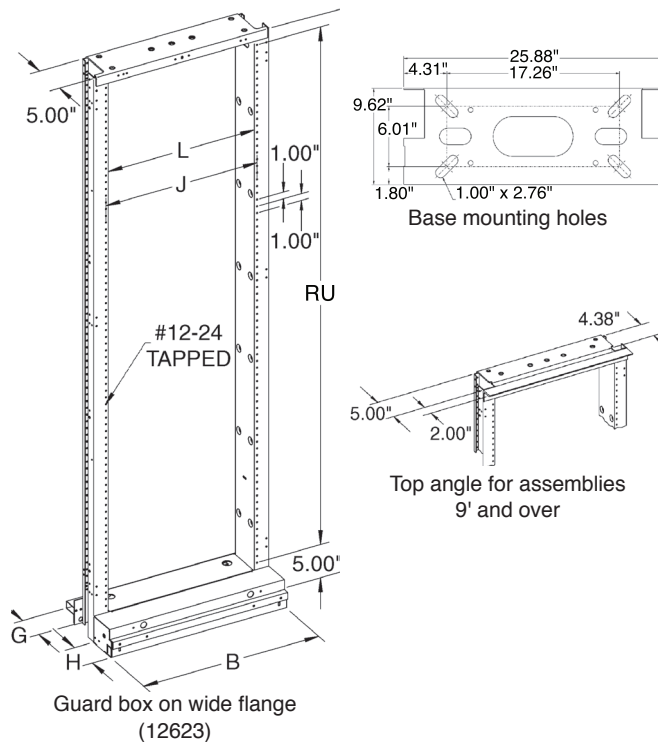
02043 - 0 1 F +03 (Wide flange - closed duct)

| Color Option                     |                            |                 |           |
|----------------------------------|----------------------------|-----------------|-----------|
| +03                              | Black                      |                 |           |
| +44                              | C.O. white                 |                 |           |
| +50                              | Network blue               |                 |           |
| +51                              | Putty white                |                 |           |
| Leave blank for telephone gray   |                            |                 |           |
| Mounting Hole Options            |                            |                 |           |
| F                                | WECO wide spacing (1", 1") |                 |           |
| Leave blank for EIA wide spacing |                            |                 |           |
| Height                           |                            | RU              |           |
|                                  | A                          | EIA Wide        | WECO Wide |
| 1                                | 7'                         | 44              | 39        |
| 4                                | 9'                         | 57              | 50        |
| 5                                | 11'6"                      | 75              | 65        |
| B=25.938", J=22.312", L=21.5"    |                            |                 |           |
| Options                          |                            |                 |           |
|                                  | Guard Box Cover<br>H       | Guard Rail<br>G |           |
| 0                                | 5"                         | 2"              |           |
| 1*                               | 8"                         | --              |           |
| *7' only                         |                            |                 |           |



# Network Bays

## 23", Heavy-Duty Seismic



**Static Rating :: Up to 800 lbs**  
**Seismic Rating :: Up to 450 lbs**

### Features

- 7' heavy-duty network bays are compliant to Telcordia requirements to support up to 450 lbs. of equipment for Zone 4 seismic areas
- Additional dampening panels should be used in open areas to increase stiffness
- Equipment mounting holes provided on the front and rear flange of the frame
- Drilled and tapped to receive options and accessories
- Welded construction is used on the basic frame shown
- Low profile base arrangement provides additional mounting height
- 08016 wrap-around enclosure fits this rack

### Included Accessories

- Ground wire kit and junction details
- Guard box cover
- Guard rail (for specific configurations)
- Rack assembly includes seismically tested and approved concrete floor anchor kit
- For rack assembly without the anchor kit, order part number 12623-101

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (.125", .5", 1.25")         |
| WECO wide (option "F")     | 2" RU; (1", 1")                       |
| Standard finish            | Polyurethane, textured powder coating |

### Ordering Information

12623 - 0 1 F +03 (Wide flange - closed duct)

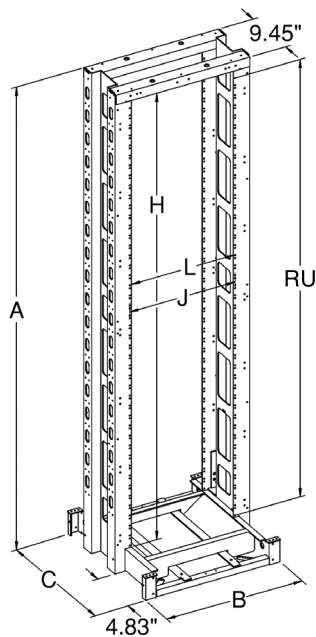
| Color Option                     |                            |              |           |
|----------------------------------|----------------------------|--------------|-----------|
| +03                              | Black                      |              |           |
| +44                              | C.O. white                 |              |           |
| +50                              | Network blue               |              |           |
| +51                              | Putty white                |              |           |
| Leave blank for telephone gray   |                            |              |           |
| Mounting Hole Options            |                            |              |           |
| F                                | WECO wide spacing (1", 1") |              |           |
| Leave blank for EIA wide spacing |                            |              |           |
| Height                           |                            | RU           |           |
|                                  | A                          | EIA Wide     | WECO Wide |
| 1                                | 7'                         | 44           | 39        |
| 4                                | 9'                         | 57           | 50        |
| 5                                | 11'6"                      | 75           | 65        |
| B=25.875", J=22.312", L=21.5"    |                            |              |           |
| Options                          |                            |              |           |
|                                  | Guard Box Cover H          | Guard Rail G |           |
| 0                                | 5"                         | 1"           |           |
| 1                                | 8"                         | --           |           |
| 2*                               | 5"                         | 2"           |           |
| Top angle, 7' only               |                            |              |           |

12624 - 0 1 F +03 (Narrow flange - open duct)

| Color Option                     |                            |              |           |
|----------------------------------|----------------------------|--------------|-----------|
| +03                              | Black                      |              |           |
| +44                              | C.O. white                 |              |           |
| +50                              | Network blue               |              |           |
| +51                              | Putty white                |              |           |
| Leave blank for telephone gray   |                            |              |           |
| Mounting Hole Options            |                            |              |           |
| F                                | WECO wide spacing (1", 1") |              |           |
| Leave blank for EIA wide spacing |                            |              |           |
| Height                           |                            | RU           |           |
|                                  | A                          | EIA Wide     | WECO Wide |
| 1                                | 7'                         | 44           | 39        |
| 4                                | 9'                         | 57           | 50        |
| 5                                | 11'6"                      | 75           | 65        |
| B=25.875", J=22.312", L=21.5"    |                            |              |           |
| Options                          |                            |              |           |
|                                  | Guard Box Cover H          | Guard Rail G |           |
| 0                                | 6"                         | 2"           |           |
| 1                                | 5"                         | --           |           |
| 2*                               | 6"                         | 1"           |           |
| Top angle, 7' only               |                            |              |           |

# Global Seismic Frames

## 19"/23"/ETSI



450/600/750 mm frames

### Ordering Information

OGS 1 3 4 +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Height       |             |              | RU       |        |
|--------------|-------------|--------------|----------|--------|
|              | A           | H            | Standard | Metric |
| 4            | 6' (182 cm) | 66" (167 cm) | 37       | 33     |
| 6            | 7' (213 cm) | 78" (198 cm) | 44       | 39     |
| 7*           | 220 cm      | 205 cm       | --       | 41     |
| *Metric only |             |              |          |        |

\*Metric only

| Frame Depth |                 |
|-------------|-----------------|
|             | C               |
| 3           | 11.81" (300 mm) |
| 4           | 17.22" (450 mm) |
| 6           | 23.62" (600 mm) |
| 7           | 29.53" (750 mm) |

| Rack Size |                |         |         |        |
|-----------|----------------|---------|---------|--------|
|           | Panel Mounting | B       | J       | L      |
| 1         | 19"            | 23.54"  | 18.312" | 17.75" |
| 2         | 23"            | 25.875" | 22.312" | 21.75" |
| 3         | ETSI           | 600 mm  | 515 mm  | 500 mm |

For Zone 4 compatibility worldwide, choose Telect's innovative and robust EIA/ETSI frame design to support your heavy equipment.

Static Rating :: Up to 3,000 lbs  
Seismic Rating :: Up to 850 lbs

### Features

- Comply with EIA, Framework 2000 (Section 3 of GR-63-CORE) or ETSI standards
- Conform to GR-63-CORE Earthquake Resistance Criteria when loaded with 850 lbs. when installed with a seismic anchor kit
- Floor-to-ceiling cable feed and unique cable ducting design with feed-through holes enable maximum cable capacity and ease of wiring
- Two 300 mm deep racks can be positioned back-to-back to maintain a 600 mm deep lineup
- Order seismic anchor kit separately (part number 08022K01)
- Equipment position, size and relative location of weight may affect seismic test performance
- Additional dampening panels may be required for weights in excess of 850 lbs.
- End panels, doors accessories and covers available in the accessories pages R-54 and R-55
- Full enclosures available, contact Telect

### Specifications

|                            |                                       |
|----------------------------|---------------------------------------|
| Mounting holes             | 12-24 tapped                          |
| EIA wide (standard option) | 1.75" RU, (1.25", .5", 1.25")         |
| Metric                     | 5 cm RU, M6-1.0 tapped                |
| Standard finish            | Polyurethane, textured powder coating |
| Material                   | Steel                                 |
| Uprights                   | 10-gauge steel                        |
| Base                       | 7 & 11-gauge steel                    |
| Construction               | Unitized, welded frame                |



# Heavy-Duty Battery Rack

## Zone 4 Certified



Rack shown with battery disconnect kit.

### 24 VDC Rack Configurations

| Description             | Part Number        |
|-------------------------|--------------------|
| 5-shelf battery rack    | 088-7152-0123-0000 |
| 4-shelf battery rack    | 088-7142-0123-0000 |
| 3-shelf battery rack    | 088-7132-0123-0000 |
| 4th shelf expansion kit | 0SBTH-4-24-0000    |
| 5th shelf expansion kit | 0SBTH-5-24-0000    |

### Installation Kit

| Description                               | Part Number |
|-------------------------------------------|-------------|
| Includes base, isolation pad and hardware | 304791      |

A single solution that meets FCC requirements for backup power.

**Static Rating :: Up to 4,000 lbs**  
**Seismic Rating :: Up to 2,600 lbs**

### Features

- Independently certified to Zone 4 Seismic standards to 2,600 lbs.
- Fits standard battery types
- 3-, 4- and 5-shelf configurations – up to 20 batteries per rack
- Scalable to fit the requirements of multiple applications
- Adaptable to +24V or -48V
- Shelf expansion kits available
- Standard 7' x 23" footprint
- Ships with cabling ready to accept batteries
- Fully configured systems (rack + batteries) available through Telect Systems Integration
- Included accessories:
  - » Two 1200A 10 input/sit output copper bus bars
  - » All necessary cabling to connect battery strings to collector bus bars
  - » Rod retainers for securing batteries within each shelf
  - » Four removable lifting eye rings at top of rack
- Standard color is pewter/charcoal gray for frame and telephone gray for shelves

### Specifications

|                         |                                                           |
|-------------------------|-----------------------------------------------------------|
| Dimensions              | 7' H x 23" W x 27.25" D<br>(2133 mm x 584 mm x 27 mm)     |
| Battery weight capacity | 552 lbs. per shelf<br>(2,760 lbs. total for 5-shelf rack) |
| Material                | 7 GA hot-rolled steel                                     |
| Copper bus bar          | 1200A, 10 input/6 output; copper alloy with zinc finish   |
| Shelf mounting          | Uses M6 x 1.0 hardware                                    |
| Seismic rating          | 2,600 lbs.                                                |

### 48 VDC Rack Configurations

| Description             | Part Number        |
|-------------------------|--------------------|
| 5-shelf battery rack    | 088-7154-0123-0000 |
| 4-shelf battery rack    | 088-7144-0123-0000 |
| 3-shelf battery rack    | 088-7134-0123-0000 |
| 4th shelf expansion kit | 0SBTH-4-48-0000    |
| 5th shelf expansion kit | 0SBTH-5-48-0000    |

### Battery Disconnect Kits

| Description                    | Part Number     |
|--------------------------------|-----------------|
| Battery disconnect kit, 24 VDC | 0CB-B10-3-KIT24 |
| Battery disconnect kit, 48 VDC | 0CB-B10-3-KIT48 |

# Knock-Down Channel Rack



Engineered for mounting home audio/video, computer and commercial equipment.

Static Rating :: Up to 800 lbs

### Features

- Unique design enables simple, fast assembly, adaptability in configuration, and durability to hold all types of gear
- High weight capacity (approximately 500 lbs.) for its size
- Basic kit includes all parts required to assemble a 19" or 23" floor-mount or wall-mount channel rack
- Standard rack height is 4 feet; extension kits available
- Ideal for indoor home applications including audio/video or computer networks

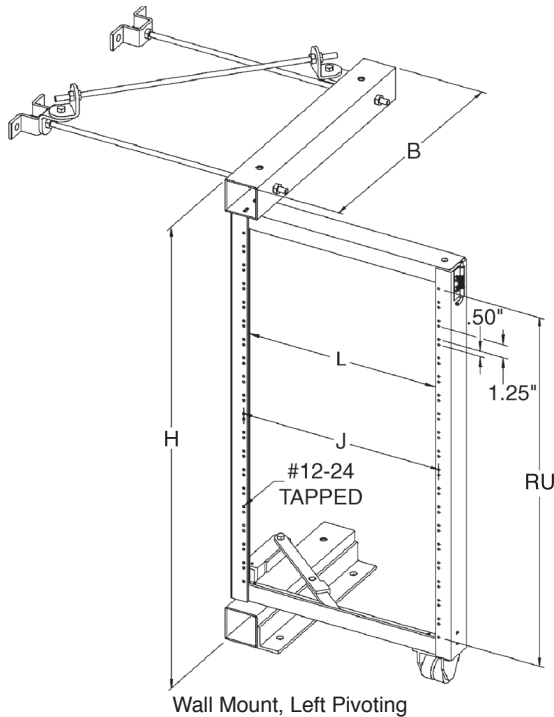
### Specifications

|            |                   |
|------------|-------------------|
| Height     | 48" (1219.20 mm)  |
| Base width | 24" (60.96 mm)    |
| Depth      | 8" (203.20 mm)    |
| Material   | Cold-rolled steel |

| Description                           | Part Number |
|---------------------------------------|-------------|
| 4-ft. knock-down channel rack kit     | 02028-1+B7  |
| Knock-down channel rack extension kit | 02028-2+B7  |

Cost-effective basic kits let you assemble a 4-foot-high rack. An extension kit includes 1-foot and 2-foot channel extensions, link plates, and required hardware. Each can be used singly or as a pair, increasing rack height to 5, 6 or 7 feet.

# Gated Racks



Wall Mount, Left Pivoting

## Ordering Information

02203 - 101 F +03

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

| Mounting Hole Options            |                            |
|----------------------------------|----------------------------|
| F                                | WEKO wide spacing (1", 1") |
| Leave blank for EIA wide spacing |                            |

| Height | RU   |          |           | Pivot         |
|--------|------|----------|-----------|---------------|
|        | H    | EIA Wide | WEKO Wide |               |
| 101    | 6'8" | 40       | 34        | Left or right |
| 102    | 9'7" | 60       | 52        | Left or right |
| 103    | 7'2" | 43       | 37        | Left or right |
| 104    | 8'   | 49       | 42        | Left or right |
| 105    | 6'2" | 36       | 31        | Left or right |
| 123    | 7'2" | 43       | 37        | Center        |

| Rack Series |                |          |         |         |         |
|-------------|----------------|----------|---------|---------|---------|
|             | Panel Mounting | Mount    | B       | J       | L       |
| 02203       | 23"            | Wall     | 26.625" | 22.312" | 21.625" |
| 02204       | 19"            | Wall     | 22.625" | 18.312" | 17.625" |
| 02205       | 23"            | Overhead | 26.625" | 22.312" | 21.625" |
| 02206       | 19"            | Overhead | 22.625" | 18.312" | 17.625" |

When space is limited, Telect's wall-mounted gated rack is just the answer.

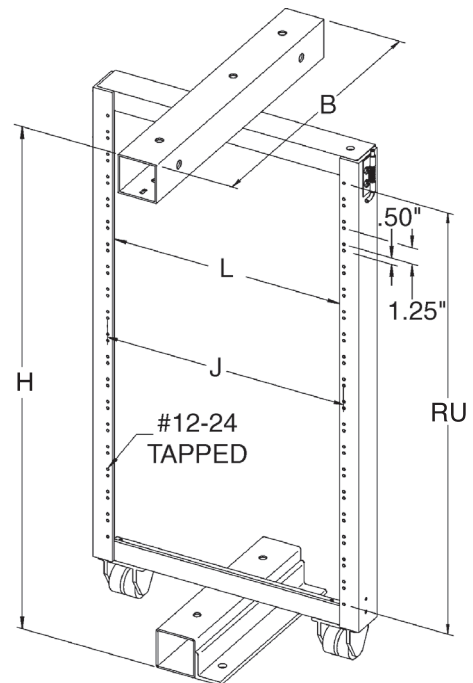
**Static Rating :: Up to 800 lbs**

## Features

- Adjustable depth up to 20"
- Support up to 500 lbs.
- Standard configurations are 7' 2" in height
- Support EIA or WEKO hole spacing
- Equipment mounting holes on the front flange of the rack
- Unitized welded gate construction eliminates gate sag-off
- All necessary mounting hardware and assembly instructions included
- End pivoting (left or right) configurations available

## Specifications

|                            |                                        |
|----------------------------|----------------------------------------|
| Mounting holes             | 12-24 tapped                           |
| EIA wide (standard option) | 1.75" RU; (1.25", .5", 1.25")          |
| WEKO wide (option "F")     | 2" RU; (1", 1")                        |
| Standard finish            | Polyurethane, textured, powder coating |
| Material                   | Steel                                  |



Overhead Mount, Center Pivoting



# Data Center Rack

## Maximum Protection for Core Data Center Equipment



Telect's Data Center Racks provide a seismic certified, highly durable and versatile platform for mounting equipment such as servers, routers, batteries and other crucial network components.

**Static Rating :: Up to 4,000 lbs**  
**Seismic Rating :: Up to 2,000 lbs**

### Features

- Zone 4 certified to 2,000 lbs, 1250 lbs and 750 lbs.  
—NEBS 6R-63-Core Level 3 certified
- Highly versatile — can be used for core equipment such as servers and routers; also accommodates battery shelves for use as a heavy duty battery rack
- Adjustable front and rear rails for flexible equipment mounting in a variety of environments
- Robust design ensures reliable long-term performance
- Compatible with all standard rack-mount equipment
- Wide range of cable Management options

### Specifications

|                                             |                                                                                                                                 |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Seismic Certification                       | 2,000 lbs (907 kg) 1,250 lbs (567 kg) 750 lbs (341 kg)                                                                          |
| Physical Specs, Rack for 23" Equipment Mtg. | (711 mm x 914 mm x 2134 mm)<br>98 lbs (44kg) - 380 lbs (204 kg)<br>*Additional sizes available                                  |
| Physical Specs, Rack for 19" Equipment Mtg. | 24" W x 42" D x 84" H<br>(610 mm x 914 mm x 2134 mm)<br>90 lbs (41 kg) - 340 lbs (154 kg)<br>*Additional sizes available        |
| Hole Spacing                                | EIA Wide RMU=1-¾" (1/2", 1-¼"), 44 RU<br>EIA Narrow RMU=1-¾" (1/2", 5/8", 5/8"), 44 RU<br>Universal RMU=1/2", 1/2", 1/2", 44 RU |
| Color                                       | Standard is black, others available                                                                                             |
| Compliance                                  | GR-63-CORE, NEBS compliant                                                                                                      |

### Seismic 2000

| Description                       | Part Number  |
|-----------------------------------|--------------|
| Data rack 2000# 42" D 28" W 84" H | DR2000-84842 |
| Data rack 2000# 36" D 28" W 84" H | DR2000-84836 |
| Data rack 2000# 30" D 28" W 84" H | DR2000-84830 |
| Data rack 2000# 24" D 28" W 84" H | DR2000-84824 |
| Data rack 2000# 42" D 24" W 84" H | DR2000-84442 |
| Data rack 2000# 36" D 24" W 84" H | DR2000-84436 |
| Data rack 2000# 30" D 24" W 84" H | DR2000-84430 |
| Data rack 2000# 24" D 24" W 84" H | DR2000-84424 |

### Seismic 1250

| Description                       | Part Number  |
|-----------------------------------|--------------|
| Data rack 1250# 42" D 28" W 84" H | DR1250-84842 |
| Data rack 1250# 36" D 28" W 84" H | DR1250-84836 |
| Data rack 1250# 30" D 28" W 84" H | DR1250-84830 |
| Data rack 1250# 24" D 28" W 84" H | DR1250-84824 |
| Data rack 1250# 42" D 24" W 84" H | DR1250-84442 |
| Data rack 1250# 36" D 24" W 84" H | DR1250-84436 |
| Data rack 1250# 30" D 24" W 84" H | DR1250-84430 |
| Data Rack 1250# 24"D 24"W 84" H   | DR1250-84424 |

### Seismic 750

| Description                      | Part Number |
|----------------------------------|-------------|
| Data rack 750# 42" D 28" W 84" H | DR750-84842 |
| Data rack 750# 36" D 28" W 84" H | DR750-84836 |
| Data rack 750# 30" D 28" W 84" H | DR750-84830 |
| Data rack 750# 24" D 28" W 84" H | DR750-84824 |
| Data rack 750# 42" D 24" W 84" H | DR750-84442 |
| Data rack 750# 36" D 24" W 84" H | DR750-84436 |
| Data rack 750# 30" D 24" W 84" H | DR750-84430 |
| Data rack 750# 24" D 24" W 84" H | DR750-84424 |

# Data Center Rack

## Maximum Protection for Core Data Center Equipment

### Standard Racks

| Description                | Part Number |
|----------------------------|-------------|
| Data rack 42"D 28" W 84" H | DR-84842    |
| Data rack 36"D 28" W 84" H | DR-84836    |
| Data rack 30"D 28" W 84" H | DR-84830    |
| Data rack 24"D 28" W 84" H | DR-84824    |
| Data rack 42"D 24" W 84" H | DR-84442    |
| Data rack 36"D 24" W 84" H | DR-84436    |
| Data rack 30"D 24" W 84" H | DR-84430    |
| Data rack 24"D 24" W 84" H | DR-84424    |

### Accessories

| Isolation Pad                                   | Part Number |
|-------------------------------------------------|-------------|
| Isolation pad 24" W x 42" D                     | DRISO-2442  |
| Isolation pad 28" W x 42" D                     | DRISO-2842  |
| Isolation pad 24" W x 36" D                     | DRISO-2436  |
| Isolation pad 28" W x 36" D                     | DRISO-2836  |
| Isolation pad 24" W x 30" D                     | DRISO-2430  |
| Isolation pad 28" W x 30" D                     | DRISO-2830  |
| Isolation pad 24" W x 24" D                     | DRISO-2424  |
| Isolation pad 28" W x 24" D                     | DRISO-2824  |
| Top Cap                                         | Part Number |
| Data rack top cap 24"                           | DR-TC24     |
| Data rack top cap 28"                           | DR-TC28     |
| Data rack top cap center label holder           | DR-TCC      |
| Data rack top cap border (qty 2)                | DR-TCB      |
| Door                                            | Part Number |
| Chrome perforated door 24" W 84" H              | DRDP-24     |
| Black perforated door 24" W 84" H               | DRDBP-24    |
| Chrome perforated dual door 24" W 84" H         | DRDDP-24    |
| Black perforated dual door 24" W 84" H          | DRDDBP-24   |
| Black perforated door 28" W 84" H               | DRDBP-28    |
| Chrome perforated door 28" W 84" H              | DRDP-28     |
| Chrome perforated dual door 28" W 84" H         | DRDDP-28    |
| Black perforated dual door 28" W 84" H          | DRDDBP-28   |
| 44RU Mounting Rails                             | Part Number |
| Cage nut, zinc plated, EIA-D, 23"-19", qty 2    | DR-MRCGP-A  |
| 12-24 tapped, zinc plated EIA-D, 23"-19", qty 2 | DR-MRGP-A   |
| Cage nut, EIA-D, 23"-19", qty 2                 | DR-MRCG-A   |
| 12-24 tapped, EIA-D, 23"-19", qty 2             | DR-MRG-A    |
| Cage nut, zinc plated, EIA-D, qty 2             | DR-MRCGP    |
| 12-24 tapped, EIA-D, qty 2                      | DR-MRGP     |
| Cage nut, EIA-D, qty 2                          | DR-MRCG     |
| 12-24 tapped, EIA-D, qty 2                      | DR-MRG      |

| Z-rail, EIA-D, cage nut/12-24, qty 2           | DR-MRGCTZ     |
|------------------------------------------------|---------------|
| Z-rail, EIA-D, 12-24/12-24, qty 2              | DR-MRGTTZ     |
| Z-rail, EIA-D, 12-24/12-24, plated, qty 2      | DR-MRGTTZP    |
| Z-rail, EIA-D, cage nut/12-24, plated, qty 2   | DR-MRGCTZP    |
| Cage nut, zinc plated, ETSI spacing, qty 2     | DR-MRCGP-E    |
| 12-24 tapped, ETSI spacing, qty 2              | DR-MRG-E      |
| AC power bracket                               | DRMR-AC       |
| AC power bracket dual                          | DRMR-ACD      |
| Cable Management                               | Part Number   |
| Adjustable 6" front & rear only                | ACCE-DR6      |
| Adjustable 10" front & rear only               | ACCE-DR10     |
| Adjustable 6"x12" front & rear only            | ACCE-DR6D     |
| Adjustable 10"x12" front & rear only           | ACCE-DR10D    |
| Adj. 12" cable mgr 6" trough 42" W/ HW, qty 2  | ACCE-DR6T42   |
| Adj. 12" cable mgr 10" trough 42" W/ HW, qty 2 | ACCE-DR10T42  |
| 6" trough 24"-30" W/ HW, qty 2                 | ACCE-DR6TS    |
| 10" trough 24"-30" W/ HW, qty 2                | ACCE-DR10TS   |
| 6" trough 36"-42" W/ HW, qty 2                 | ACCE-DR6TD    |
| 10" trough 36"-42" W/ HW, qty 2                | ACCE-DR10TD   |
| Isolation pad 6" W x 6" D for ACCE-DR6         | ACCE-DR6ISO   |
| Isolation pad 10" W x 6" D for ACCE-DR10       | ACCE-DR10ISO  |
| Isolation pad 6" W x 12" D for ACCE-DR6D       | ACCE-DR6DISO  |
| Isolation pad 10" W x 12" D for ACCE-DR6D      | ACCE-DR10DISO |
| End Panels                                     | Part Number   |
| End panel 42" D x 84"                          | DREP-42       |
| End panel 36" D x 84"                          | DREP-36       |
| End panel 30" D x 84"                          | DREP-30       |
| End panel 24" D x 84"                          | DREP-24       |
| Grounding                                      | Part Number   |
| Horizontal ground bar 19"                      | DR-HGB-19     |
| Horizontal ground bar 23"                      | DR-HGB-23     |
| Data rack vertical ground bar                  | DR-VGB        |
| Data rack vertical ground bar dual hole        | DR-VGBD       |
| Data rack grounding kit                        | DR-GCKIT      |
| Accessories                                    | Part Number   |
| Cabinet duct spacer 1.5"                       | DR-CDS        |
| Cabinet duct spacer, 48RU, 84" x 6"            | DR-CDS6       |
| Cage nut, qty 50                               | DR-CN50       |
| Nut, qty 100                                   | DR-CN100      |
| 12-24 mounting screws, qty 50                  | 04500-50      |
| 12-24 mounting screws, qty 100                 | 04500-100     |
| Seismic anchor                                 | DR-ANCS       |
| Raised floor anchor                            | DR-ANCRF      |
| Ganging hardware                               | DR-GANG       |

# Indoor Cabinets

## Wrap-Around for Channel Racks



### Description

The 08014 wrap-around cabinet is used for enclosing a new or existing bolted channel rack or lineup of racks and for protecting rack-mounted equipment from debris and other contaminants. This lockable cabinet is ideal for restricted access applications. For added security, side panels and doors are attached with internal hardware. All surfaces can be removed to provide 360° access to installed equipment.

Telect’s seismic certified indoor cabinets provide optimal protection for housing equipment.

Static Rating :: Up to 800 lbs

### Features

- Used with 02008 - 02011 bolted channel racks
- Louvered doors are removable and reversible
- Two flush latches with keyed locks
- Front and rear doors are keyed alike
- Neoprene gasket on all openings
- Ventilated rear door and top panel
- Cabinet is shipped unassembled

### Specifications

|                    |                                       |
|--------------------|---------------------------------------|
| End panels & doors | 16-gauge steel                        |
| Standard finish    | Polyurethane, textured powder coating |



# Indoor Cabinets

## Wrap-Around for Channel Racks

### Ordering Information

**NOTE:** Last field can be left blank for standard configuration.

**Cabinet** 08014- 1 1 1 +50

| Panel Mounting |               |
|----------------|---------------|
| 1              | 19", B=20.31" |
| 2              | 23", B=24.31" |

| Outside Depth (C) |     |
|-------------------|-----|
| 1                 | 24" |

| Height |      |        |
|--------|------|--------|
|        | A    | H      |
| 1      | 6'0" | 64.00" |
| 2      | 6'6" | 70.00" |
| 3      | 7'0" | 76.00" |
| 4      | 7'6" | 82.00" |
| 5      | 8'0" | 88.00" |

| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

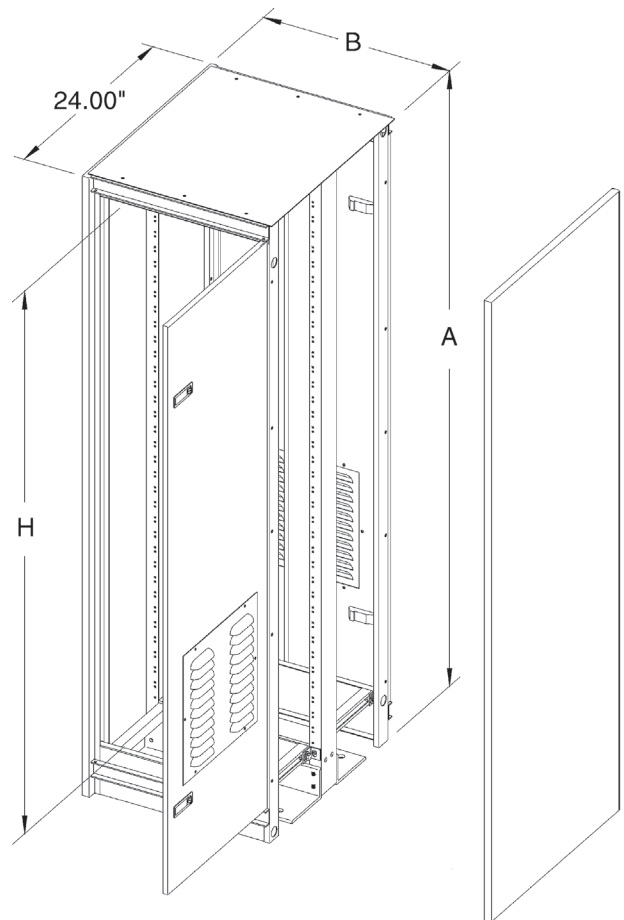
- Order end panels separately according to cabinet height and outside depth. Addition of each end panel increases B width by 1".

**End Panel** 08014EP- 11 +50

| End Panel Height (A) | Depth |
|----------------------|-------|
| 11                   | 6'0"  |
| 12                   | 6'6"  |
| 13                   | 7'0"  |
| 14                   | 7'6"  |
| 15                   | 8'0"  |

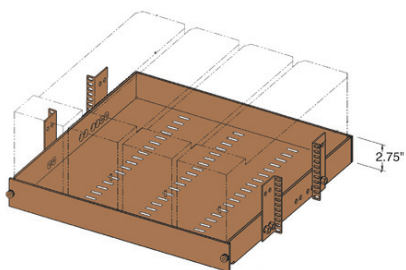
| Color Option                   |              |
|--------------------------------|--------------|
| +03                            | Black        |
| +44                            | C.O. white   |
| +50                            | Network blue |
| +51                            | Putty white  |
| Leave blank for telephone gray |              |

- Use channel rack series 02008-02011 and 02039-02040.



# Cabinet Accessories

## Battery Trays



## Features

- Supports batteries in a rack
- Suggested maximum load: 450 lbs.
- Includes 12-24 mounting screws and battery position spacers
- Made of 3/16" thick hot-rolled steel

| Description      | Part Number |
|------------------|-------------|
| 19" battery tray | 1SBTM-213W  |
| 23" battery tray | 0SBTM-213W  |

## Swivel Casters



## Features

- Provides mobility for 08004 cabinets
- Set of four plate-mounted swivel casters with 2" diameter neoprene wheels
- Suggested maximum load: 350 lbs. per caster

| Description      | Part Number |
|------------------|-------------|
| 4 swivel casters | 08004CSTR   |

## Power Strips

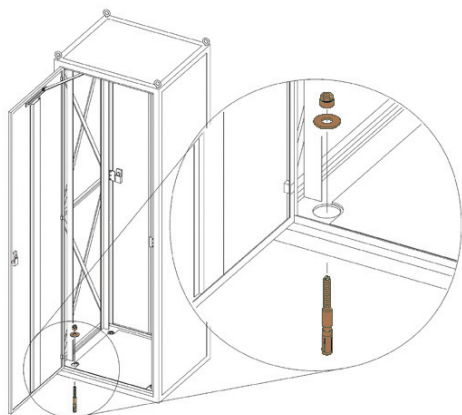


## Features

- Provides AC outlets inside cabinet
- Mounts vertically by snapping clip nuts over any metal edge
- Outlets are rated 15A at 125 VAC

| Description                | Part Number |
|----------------------------|-------------|
| 5' power strip, 10 outlets | 1SBTM-213W  |
| 6' power strip, 12 outlets | 0SBTM-213W  |

## Seismic Anchor Kit



## Features

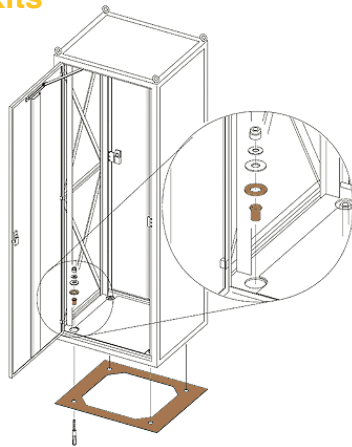
- Secures seismic cabinets to concrete floors in Zone 4 earthquake areas
- Each anchor has a recommended rating of 3,220 lbs. tensile and 5,420 lbs. shear strength
- Break-away torque nut shears off when required torque setting is reached, indicating that the anchor is set properly
- Includes four M12-1.75" expansion bolt anchors and all necessary mounting hardware

| Description        | Part Number |
|--------------------|-------------|
| Seismic anchor kit | 08108-01    |



# Cabinet Accessories

## Isolation Kits



## Features

- Electrically isolates cabinets from the floor
- Used with general use (08004) and seismic (08024) indoor
- Does not include anchors; anchors are included
- Made of .063" thick fiberglass GP03

### For General Use Indoor Cabinet (08004)

| Description       | Part Number |
|-------------------|-------------|
| 22" isolation kit | 08004-V14   |
| 26" isolation kit | 08004-V24   |

### For Seismic Indoor Cabinet (08024)

| Description       | Part Number |
|-------------------|-------------|
| 24" isolation kit | 08024-V14   |
| 28" isolation kit | 08024-V24   |

## Ganging Kits



## Features

- Joins seismic indoor cabinets (08024) in a lineup
- Does not increase overall width of the lineup
- Includes ganging frame and ganging hardware
- Made of .060" stainless steel

| Description          | Part Number |
|----------------------|-------------|
| 7' x 36" ganging kit | 08026GK-46  |

## Ground Bars

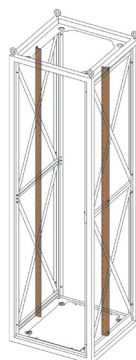


## Features

- Provides grounding method for indoor cabinets
- Includes mounting and grounding hardware
- Made of solid copper

| Type                      | For General Use Cabinet | For Seismic Cabinet |
|---------------------------|-------------------------|---------------------|
| .375"-16-point            | 08004-ZK04              | 08024-ZK04          |
| #12-24 and .250"-20-point | 08004-ZK14              | 08024-ZK14          |

## Vertical Mounting Rails



## Features

- Mounts additional equipment and accessories inside indoor cabinets
- Sold in pairs; includes all mounting hardware
- Hole spacing: Standard 1.75" EIA wide, 12-24 tapped

| Description                              | Part Number |
|------------------------------------------|-------------|
| 7' rail, for general use (08004) cabinet | 08004MR-06  |
| 7' rail, for seismic (08024) cabinet     | 08024MR-06  |

# Powder Paint Colors

Add the following "Plus #s" (including plus symbol) to the end of the rack part number for custom colors.  
Note-not all racks are available in custom colors. Contact Telect for details.

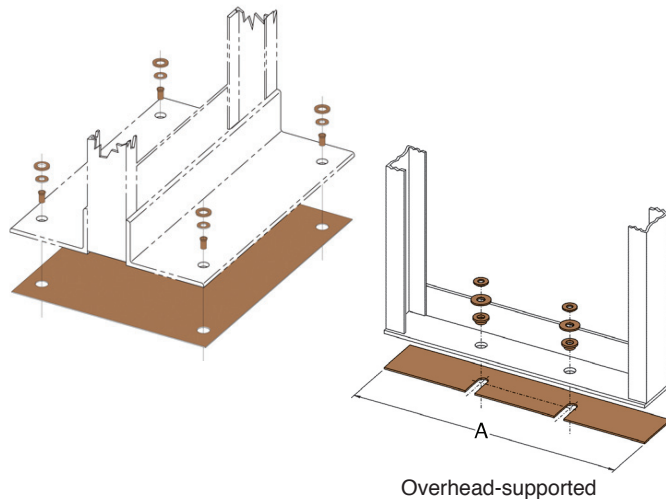
| Plus # | Color                          |
|--------|--------------------------------|
| +03    | Carbide black (matte)          |
| +15    | Standard telephone gray        |
| +20    | A.E. beige *                   |
| +35    | Charcoal gray *                |
| +36    | Maple brown *                  |
| +44    | C.O. white                     |
| +49    | C.O. soft blue *               |
| +50    | Network blue                   |
| +51    | Putty white                    |
| +55    | Competition gray *             |
| +68    | Dark gray (P20368T) *          |
| +70    | Cool gray (P20170T) *          |
| +746   | Telect white                   |
| +87    | Almond *                       |
| +CT    | Chromatic tape (copper) *      |
| +ZC    | Zinc clear *                   |
| +ZG    | Zinc yellow (RoHS-compliant) * |
| +B7    | Charcoal gray pewter *         |

\* Non-standard colors subject to additional charges.  
For example, a charcoal gray pewter Knock-Down Channel Rack would be 02028+B7.



# Channel Rack Accessories

## Isolation Kits

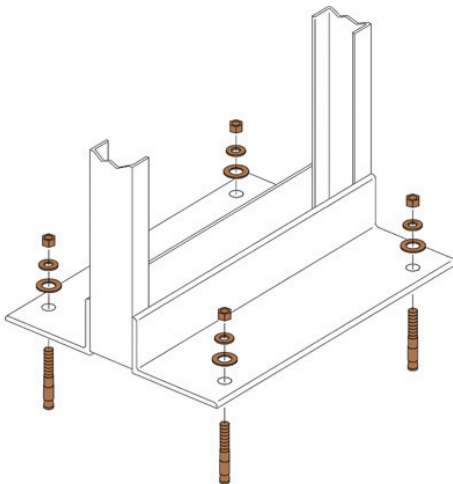


## Features

- Electrically isolates the bottom of racks
- Made of reinforced fiberglass
- Includes insulating washers and bolt insulators
- Maximum anchor diameter: .5"

| Description                        | Part Number |
|------------------------------------|-------------|
| 19" isolation kit, floor supported | 01402-07    |
| 23" isolation kit, floor supported | 01402-08    |
| 19" overhead supported             | 01402-01    |
| 23" overhead supported             | 01402-02    |

## Anchor Kit

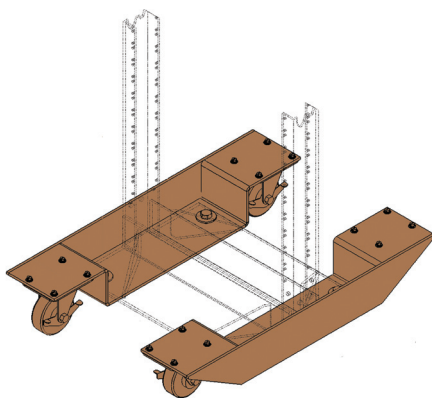


## Features

- Secures channel racks to concrete or wooden floors
- Expansion bolts may be mounted by drilling .375" holes using the base angle as a template
- Includes 1/2" steel flat washer, four 3/8-16 x 3" wedge anchors and four 3/8" x 1.500 LG, zinc-coated steel lag screws

| Description | Part Number |
|-------------|-------------|
| Anchor kit  | 02100-01    |

## Rack Dolly Assembly



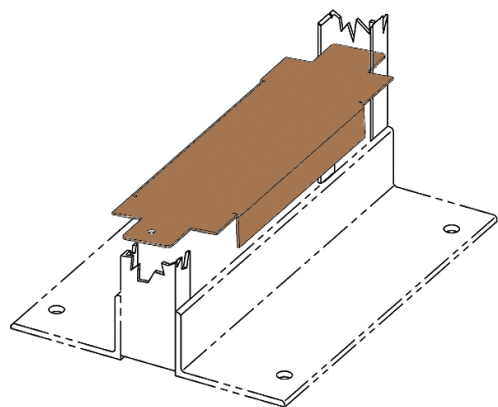
## Features

- Gives mobility and stability to a 19" or 23" floor-supported rack
- Reinforced design (.25" thick steel plate) provides stability and maintains a low center of gravity
- Includes left- and right-side rack dolly
- Each dolly includes two casters with side brakes (four casters per assembly)
- 4" swivel casters support up to 300 lbs. each (1,200 lbs. total)

| Description         | Part Number |
|---------------------|-------------|
| Rack dolly assembly | 12437-01    |

# Channel Rack Accessories

## Dust Covers

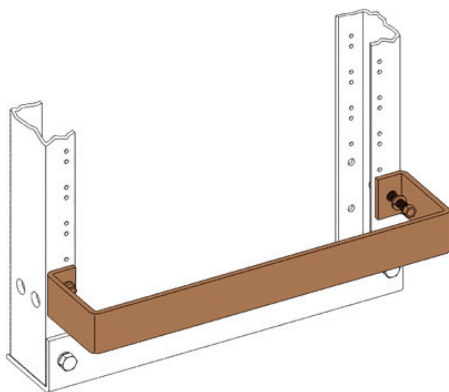


## Features

- Provides protection at the base of a floor-supported rack
- Available for 19" or 23" racks
- Made of .063" aluminum
- Includes all necessary mounting hardware

| Description    | Part Number |
|----------------|-------------|
| 19" dust cover | 02172-01    |
| 23" dust cover | 02172-02    |

## Guard Rails, Bar Type

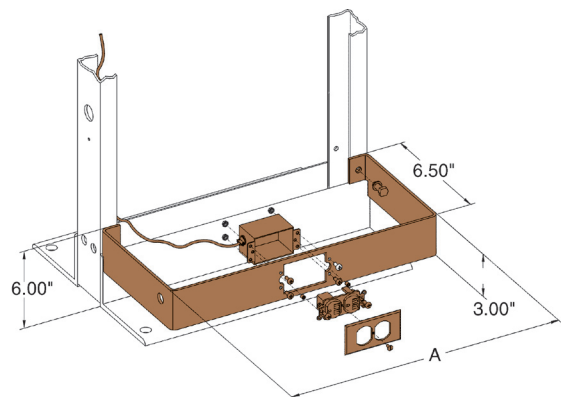


## Features

- Protects channel racks from rolling ladders and test carts
- Includes one guard rail and all necessary mounting hardware
- Extends 6.5" from rack
- Material: .25" x 2" aluminum flat bar

| Description    | Part Number |
|----------------|-------------|
| 19" guard rail | 02131-03    |
| 23" guard rail | 02132-03    |

## Guard Rails with AC Receptacle



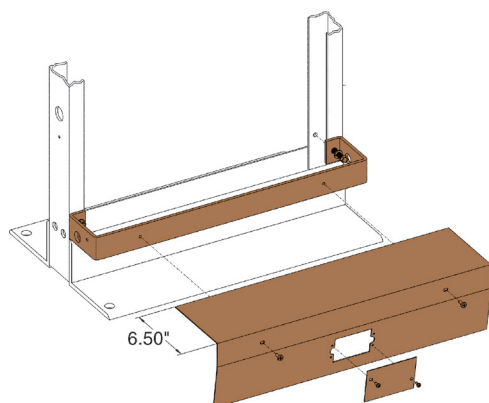
## Features

- Protects channel racks from rolling ladders and test carts
- Includes one guard rail, an enclosed duplex receptacle mounted in the center front, and all necessary mounting hardware
- Receptacle is fully assembled and wired with a 12' length of flexible cable
- Material: .25" x 3" aluminum flat bar
- Finish: Telephone gray, polyurethane, textured powder coat

| Description | A     | Guard Rail | Cover    |
|-------------|-------|------------|----------|
| 19" channel | 20.3" | 02176-01   | 02176-21 |
| 23" channel | 24.3" | 02176-02   | 02176-22 |

# Channel Rack Accessories

## Guard Rails, Bar Type with Cover

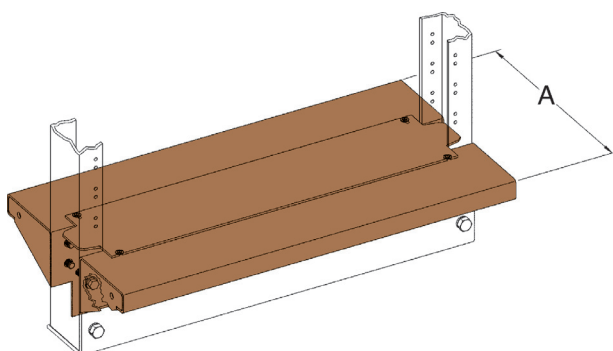


### Features

- Provides a finished appearance
- Includes a cover (sized for one to four racks) and the appropriate quantity of guard rail supports
- Cut-out for mounting an AC receptacle provided at the center
- For AC outlet kit, order 02606-05
- Material: Aluminum
- Finish: Telephone gray, polyurethane, textured powder coat

| Description   | 19" Rack | 23" Rack |
|---------------|----------|----------|
| 1 rack width  | 02150-01 | 02151-01 |
| 2 rack widths | 02150-02 | 02151-02 |
| 3 rack widths | 02150-03 | 02151-03 |
| 4 rack widths | 02150-05 | 02151-05 |

## Guard Rail Assemblies, Heavy-Duty

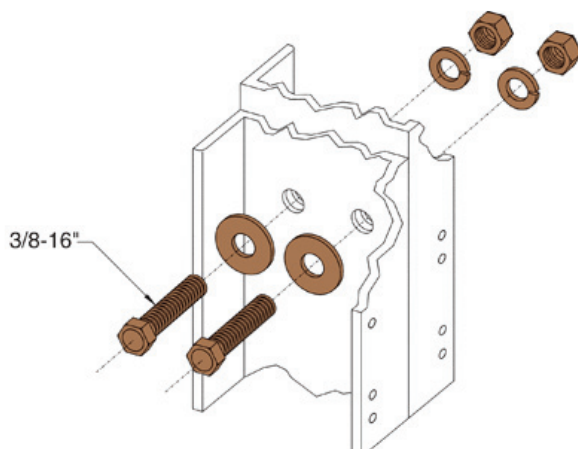


### Features

- Heavy duty guard rail used to protect the rack base from rolling ladders and test carts
- May be bolted on existing overhead-supported racks to meet special requirements
- Includes front and rear guard rails, dust cover and all necessary mounting hardware
- Material: 11-gauge cold-rolled steel
- Finish: Telephone gray, polyurethane, textured powder coat

| A   | 19" Rack | 23" Rack |
|-----|----------|----------|
| 12" | 02153-03 | 02153-04 |
| 13" | 02153-05 | 02153-06 |
| 15" | 02153-01 | 02153-02 |

## Rack Joining Kit



### Features

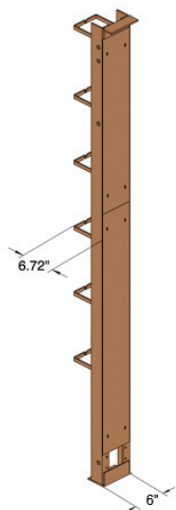
- Bolts mount through three pairs of holes inside the rack
- Order one kit less than the number of racks in a lineup
- Includes all necessary mounting hardware to join and secure adjacent free-standing or overhead-supported racks

| Description      | Part Number |
|------------------|-------------|
| Rack joining kit | 02102-01    |



# Channel Rack Accessories

## Cable Management

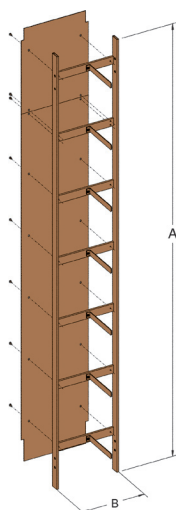


### Features

- Organizes cable between racks
- Drilled to mount between channel racks
- Includes cable rings and mounting hardware
- Made of 2.5" x 1.5" x .25" steel angle

| Description           | Part Number |
|-----------------------|-------------|
| 7' cabling section    | 02174-01    |
| 9' cabling section    | 02174-04    |
| 11'6" cabling section | 02174-05    |

## Cable Racks, Vertical

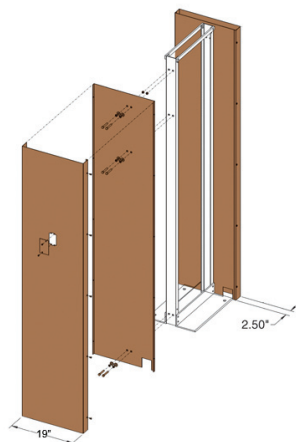


### Features

- Mounts between channel racks to provide point-to-point cabling
- Front panel is removable
- Bolted tie brackets divide cable run in two and provide additional tie-off
- Includes guard rail angle sections to extend existing guard rails
- Cable rack material: 1.5" x .375" x .0625" rectangular steel tubing
- Front panel material: .063" aluminum

| Description | Part Number B=6" | Part Number B=12" |
|-------------|------------------|-------------------|
| 6'          | 02175-16         | 02175-17          |
| 7'          | 02175-01         | 02175-07          |
| 8'          | 02175-03         | 02175-09          |
| 9'          | 02175-04         | 02175-10          |
| 11'6"       | 02175-05         | 02175-11          |

## End Finishing Panels



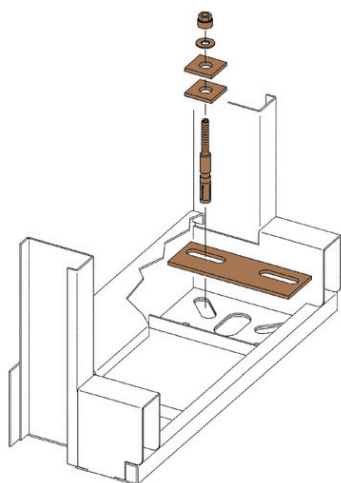
### Features

- Provides a protective enclosure for vertical cable runs and equipment at the end of a rack lineup
- 2.5" deep, extend 6.5" in front of rack
- Includes all necessary mounting hardware
- Made of 16-gauge steel

| Description               | Part Number |
|---------------------------|-------------|
| 7' end finishing panel    | 02147-01    |
| 9' end finishing panel    | 02147-03    |
| 11'6" end finishing panel | 02147-04    |

# Unequal Flange Rack Accessories

## Anchor Kits

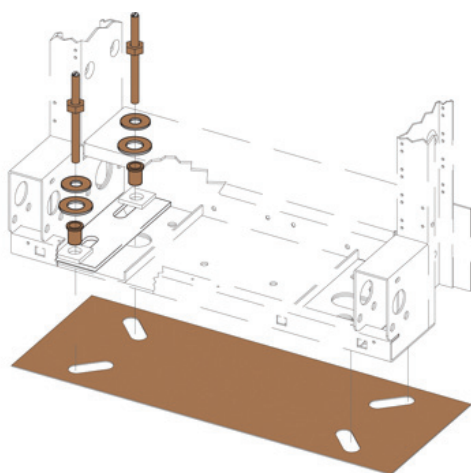


## Features

- Each anchor has a recommended rating of 3,220 lbs. tensile and 5,420 lbs. shear strength
- Includes large square washers and load spreading plates to securely hold the rack base
- Torque cap shears off when required torque setting is reached
- Four anchor locations

| Description            | Part Number |
|------------------------|-------------|
| Seismic anchor kit     | 02100-113B  |
| Non-seismic anchor kit | 02100-13B   |

## Isolation Kits

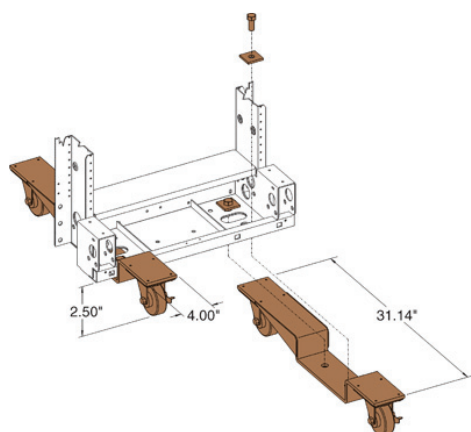


## Features

- Electrically isolates frames from floor
- Includes bushings for isolating anchors
- Pad: 063" thick fiberglass GP03

| Description           | Part Number |
|-----------------------|-------------|
| 19" isolation pad kit | 01464-01    |
| 23" isolation pad kit | 01464-02    |

## Rack Dolly Assembly



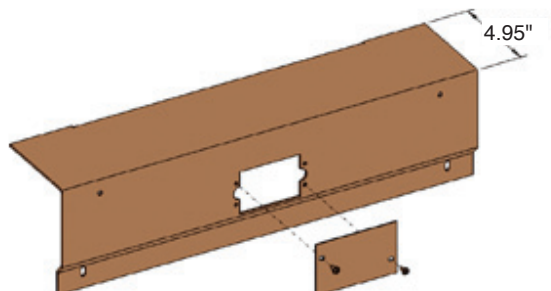
## Features

- Gives mobility to a 19" or 23" unequal flange rack
- Reinforced offset design improves portability by keeping the overall height lower and by lowering the center of gravity of the rack configuration
- Includes left- and right-side rack dolly; each dolly includes two casters with side brakes (four casters per assembly)
- 4" swivel casters support up to 350 lbs. each (1,400 lbs. total)
- Made of .375" x 4" steel bar

| Description         | Part Number |
|---------------------|-------------|
| Rack dolly assembly | 12218-01    |

# Unequal Flange Rack Accessories

## Guard Box Covers

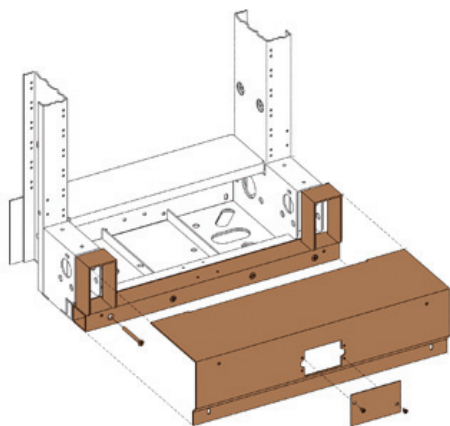


### Features

- Used on unequal flange racks with integral 5" guard box
- Includes all necessary mounting hardware
- Material: 11-gauge steel

| Description         | Part Number |
|---------------------|-------------|
| 19" guard box cover | 02161-03    |
| 23" guard box cover | 02161-04    |

## Base Extender Assemblies

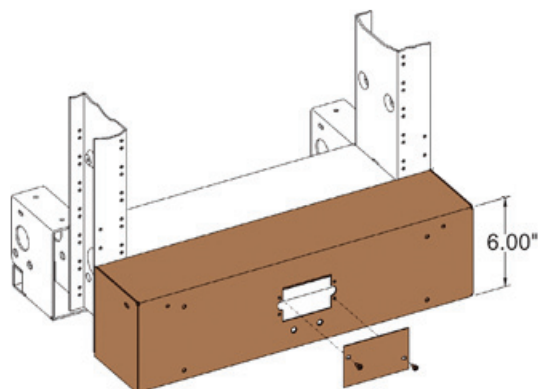


### Features

- Extends the 5" guard rail to provide protection for extra deep equipment
- Assembly consists of an extender and a cover with an AC cutout
- Made of steel
- Includes all necessary mounting hardware

| Description       | 19" Assemblies | 23" Assemblies |
|-------------------|----------------|----------------|
| 2" base extension | 02199-03       | 02199-04       |
| 3" base extension | 02199-09       | 02199-10       |
| 5" base extension | 02199-07       | 02199-08       |

## Base Guard Boxes



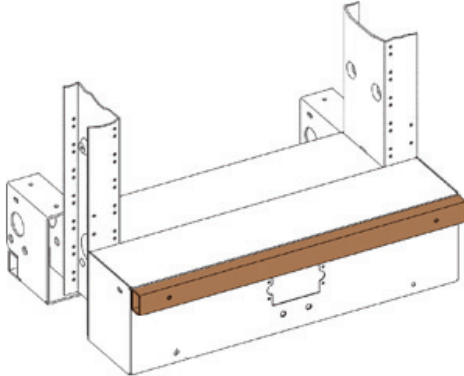
### Features

- Extends the 5" guard rail to provide protection for extra deep equipment
- Assembly consists of an extender and a cover with an AC cutout
- Made of steel
- Includes all necessary mounting hardware

| Description | 19" Guard Boxes | 23" Guard Boxes |
|-------------|-----------------|-----------------|
| 2" box      | 02122-05        | 02122-06        |
| 5" box      | 02122-07        | 02122-08        |
| 8" box      | 02122-15        | 02122-14        |

# Unequal Flange Rack Accessories

## Base Bumper Rails

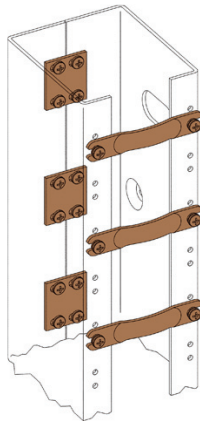


### Features

- Provides rugged equipment protection from personnel, rolling ladders and test carts
- Rails mount on the base guard box or the vertical flange of the relay rack
- Includes all necessary mounting hardware and two bumper rails
- Made of rectangular steel tubing

| Description | 19" Rails | 23" Rails |
|-------------|-----------|-----------|
| 1" bumper   | 02124-03  | 02124-04  |
| 2" bumper   | 02124-07  | 02124-08  |
| 2.5" bumper | 02124-11  | 02124-12  |

## Junction Plates with Spacers

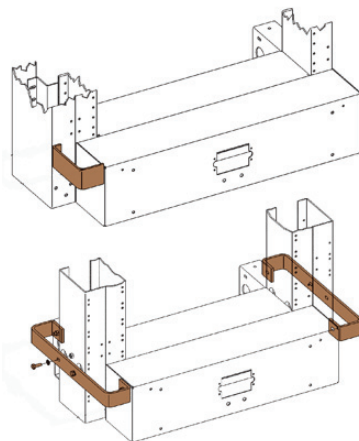


### Features

- Connects one unequal flange rack to another in a lineup
- Quantity of junction plates and spacers determined by rack height
- Spacers and mounting hardware included with non-seismic kits only
- Made of steel

| Description                                 | Part Number |
|---------------------------------------------|-------------|
| 7' rack junction plate                      | 02128-01    |
| 8' and taller rack junction plate           | 02128-02    |
| Seismic junction plate (no spacer included) | 116160-01   |

## Base End Bumper Guards



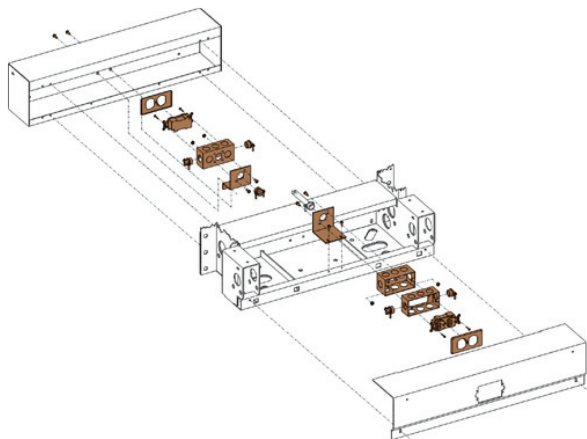
### Features

- Provides protection from equipment and personnel at the end of an unequal flange rack base
- Available in various sizes for different base guard configurations
- Made of .25" x 1.5" steel flat bar

| Depth | # of Guards | Part Number |
|-------|-------------|-------------|
| 1"    | 1           | 02125-21    |
| 2"    | 1           | 02125-24    |
| 3"    | 1           | 02125-25    |
| 4"    | 1           | 02125-22    |
| 5"    | 1           | 02125-23    |
| 12"   | 2           | 02125-01    |
| 15"   | 2           | 02125-02    |
| 17"   | 2           | 02125-03    |

# Unequal Flange Rack Accessories

## AC Devices



## Features

- Can be mounted in either the front or rear of the rack base
- All kits provided unassembled and include all necessary mounting hardware
- Made of steel, UL-rated components

| Type                         | AC Cutout Location     | Part Number |
|------------------------------|------------------------|-------------|
| 1 duplex                     | Under guard box        | 02606-02    |
| 1 duplex                     | Flush side of base     | 02606-03    |
| 1 duplex                     | 2" guard box           | 02606-05    |
| 2 duplex                     | Under guard box, flush | 02606-01    |
| 2 duplex, isolated           | Under guard box, flush | 02606-06    |
| 3-way toggle switch assembly | N/A                    | 02606-04    |

## Edge Protectors



## Features

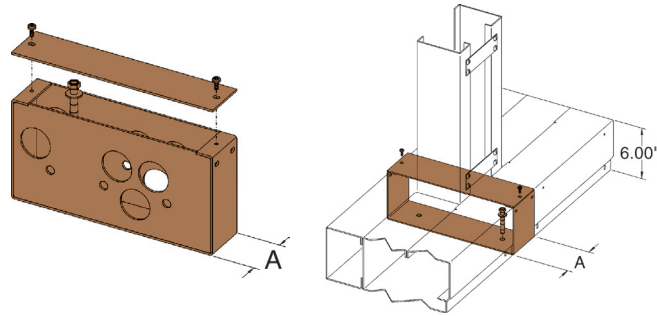
- Provides a safety edge for uprights and other sheet metal applications up to 11-gauge steel
- Easily clips over the metal edge to be protected and stays in place
- Measures approximately ½" wide when folded
- Made of nylon

| Description         | Part Number |
|---------------------|-------------|
| 42", charcoal       | 02607-01    |
| 75", charcoal       | 02607-03    |
| 100' roll, charcoal | 02607-100   |
| 42", natural        | 02608-01    |
| 100' roll, natural  | 02608-100   |



# Unequal Flange Rack Accessories

## Capacity Extenders – Base Fillers



## Features

- Base fillers close the guard rail area between cable duct racks when they are positioned for expanded cabling
- Order base fillers to match the guard rail depth
- All base fillers measure 6" high
- Includes covers and anchor hardware
- Made of 11-gauge steel
- Computer floor access base kits available (series 02190-1xx), contact Telect for information

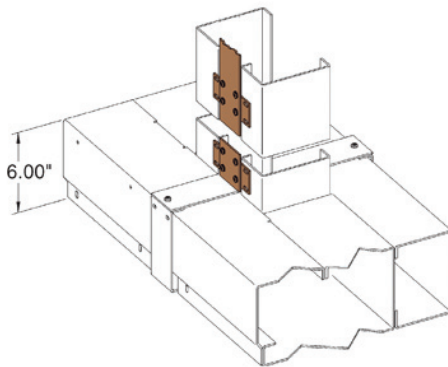
## Open End Fillers

| "A" Measurement | 10" Extenders | 12" Extenders | 15" Extenders |
|-----------------|---------------|---------------|---------------|
| 2.5"            | 02190-09      | 02190-01      | 02190-05      |
| 5"              | 02190-10      | 02190-02      | 02190-06      |
| 7.5"            | 02190-11      | 02190-03      | 02190-07      |
| 10"             | 02190-12      | 02190-04      | 02190-08      |

## Closed End Fillers

| "A" Measurement | 10" Extenders | 12" Extenders | 15" Extenders |
|-----------------|---------------|---------------|---------------|
| 2.5"            | 02190-59      | 02190-51      | 02190-55      |
| 5"              | 02190-60      | 02190-52      | 02190-56      |
| 7.5"            | 02190-61      | 02190-63      | 02190-57      |
| 10"             | 02190-62      | 02190-54      | 02190-58      |

## Capacity Extenders – Spacer Plates



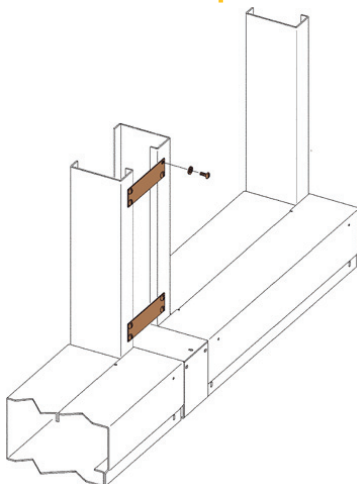
## Features

- Covers space in between unequal flange racks when expanding cabling space
- Includes junction plates and mounting hardware
- Order 02190 base fillers separately to match the depth of the base guard rails
- Made of 11-gauge steel
- Other heights available upon request

| Rack Height | 2.5" Wide | 5" Wide  | 7.5" Wide | 10" Wide |
|-------------|-----------|----------|-----------|----------|
| 7'          | 02191-01  | 02191-11 | 02191-21  | 02191-31 |
| 9'          | 02191-04  | 02191-14 | 02191-24  | 02191-34 |
| 11'6"       | 02191-05  | 02191-15 | 02191-25  | 02191-35 |

# Unequal Flange Rack Accessories

## Capacity Extenders – Spacer Bars

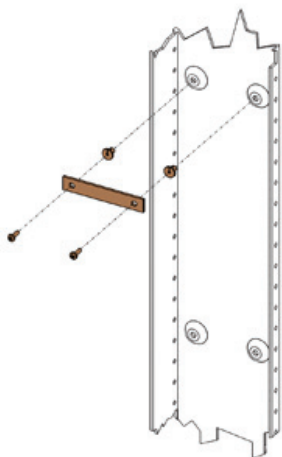


### Features

- Used with unequal flange racks to support cable between racks when more space is required
- Guard rail extension can be mounted to the guard rail or guard rail cover
- Made of 14-gauge steel
- Kit includes three spacer bars for 7' racks, four spacer bars for racks over 7'
- Order base fillers (02190) separately to match the depth of base guard rails

| Width | For 7' Racks | For Racks over 7' |
|-------|--------------|-------------------|
| 2.5"  | 02189-03     | 02189-04          |
| 5"    | 02189-01     | 02189-02          |
| 7.5"  | 02189-05     | 02189-06          |
| 10"   | 02189-07     | 02189-08          |

## Cable Tie Brackets, Metal

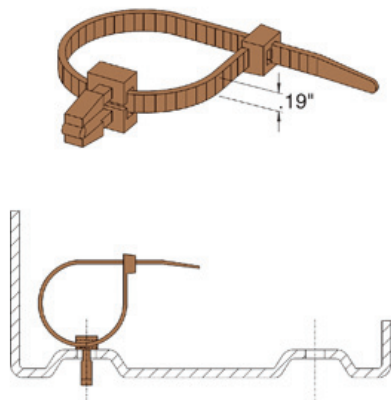


### Features

- Used on the inside of the rack vertical to tie down vertical cable runs
- -01 and -03 are supplied with nylon grommets for fasteners
- Snap attaches bracket into dimpled hole on vertical
- -07, -08 and -15 brackets attach with supplied screws
- Made of 11-gauge steel

| Description                                   | Part Number |
|-----------------------------------------------|-------------|
| 12 brackets with snaps, for 7' racks          | 02192-01    |
| 12 brackets with screws, for 7' racks         | 02192-15    |
| 22 brackets with snaps, for all rack heights  | 02192-03    |
| 22 brackets with screws, for all rack heights | 02192-08    |
| One bracket with mounting hardware            | 02192-07    |

## Cable Tie Brackets, Plastic



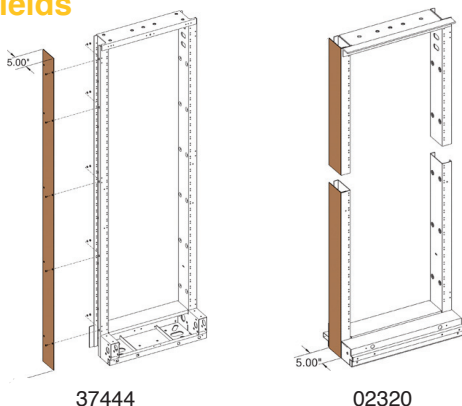
### Features

- Mounts on the inside of the rack to tie down vertical cable runs
- Cable tie is 7.75" long and mounts into the dimpled hole with a snap
- Each tie will bundle up to 1.75" of cable
- Made of nylon, UL 94V-2 flammability rated

| Description                                    | Part Number |
|------------------------------------------------|-------------|
| 12 brackets with snaps, for 7' racks           | 02192-04    |
| 16 brackets with snaps, for 7'-9' racks        | 02192-05    |
| 22 brackets with snaps, for 10' to 11'6" racks | 02192-06    |

# Unequal Flange Rack Accessories

## End Shields

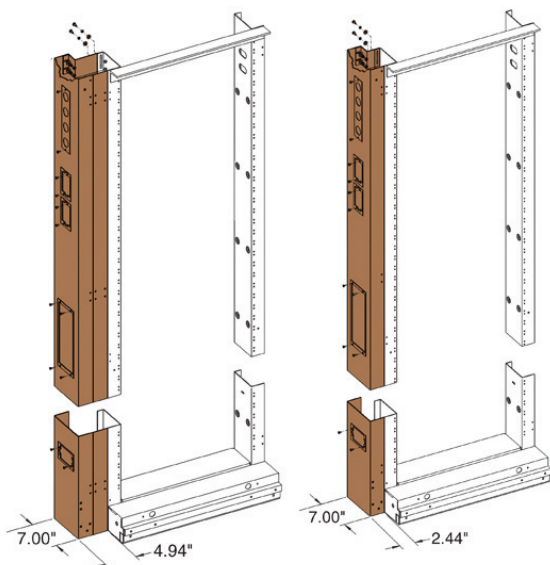


## Features

- Sold individually and may be used as a left or right end shield
- Includes all necessary mounting hardware
- Made of 11-gauge steel

| Rack Height      | Seismic  | Non-Seismic |
|------------------|----------|-------------|
| 7' end shield    | 37444-01 | 02320-10    |
| 9' end shield    | 37444-04 | 02320-11    |
| 11'6" end shield | 37444-05 | 02320-12    |

## End Guards and Accessories



## Features

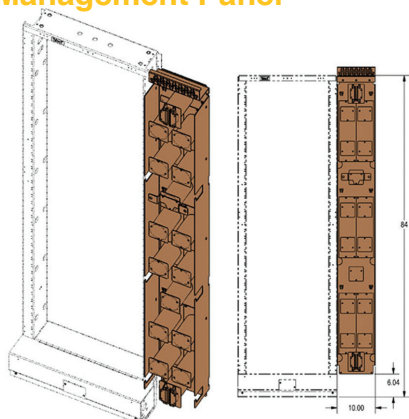
- Used with unequal flange racks to provide protection and alarms at the end of an aisle
- End guard with duct filler provides additional cable duct capacity
- Sold individually and may be used as a left or right end guard
- Includes covers and cutouts for AC receptacle, switches, alarm lights and mounting hardware
- Made of 11-gauge steel

| Rack Height | End Guard | End Guard with Duct Filler |
|-------------|-----------|----------------------------|
| 7'          | 02320-01  | 02320-13                   |
| 9'          | 02320-02  | 02320-14                   |
| 11'6"       | 02320-03  | 02320-15                   |

## Additional Items

| Description                       | Part Number |
|-----------------------------------|-------------|
| AC outlet assembly                | 02321-02    |
| Switch assembly                   | 02321-01    |
| Switch assembly with 3-way rocker | 02321-03    |
| Alarm light assembly              | 02320-09    |
| Spare fuse holder                 | 05004-09    |

## Fiber Management Panel



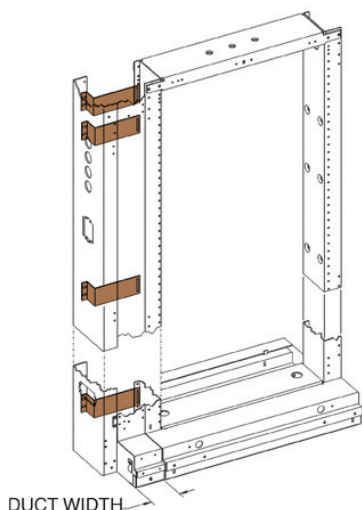
## Features

- Connects simply with unequal flange racks
- Masked to allow for grounding
- Removable cover provides additional fiber protection
- High spool count (16 total) for high-density installations
- Only for seismic unequal flange racks

| Description                 | Part Number   |
|-----------------------------|---------------|
| 10" W, 5.5" D, no base      | 37677-KF10612 |
| 10" W, 12" D, includes base | 37677-10612   |

# Unequal Flange Rack Accessories

## Offset Bracket Kit



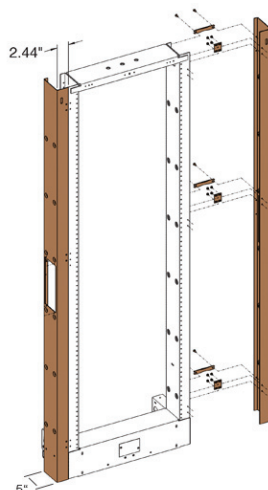
## Features

- Spans the additional duct space between a 7' end guard and unequal flange rack when the space is created by using a duct capacity extender kit
- Includes four brackets and all necessary mounting hardware
- Made of 11-gauge steel

| Width | Part Number |
|-------|-------------|
| 2.5"  | 02320-21    |
| 5"    | 02320-20    |
| 7.5"  | 02320-22    |
| 10"   | 02320-23    |

*Note: These fit the 02320 series of end guards on page R-37*

## End Channels

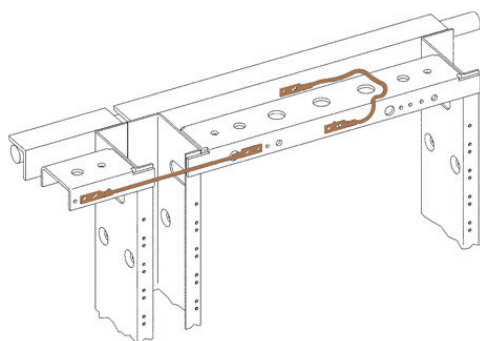


## Features

- Used with racks to provide cable duct protection at the end of a lineup
- Includes junction plates, blank panels and mounting hardware (left and right side supplied)
- Made of 11-gauge steel
- Width is 5"

| Description       | Part Number |
|-------------------|-------------|
| 7' end channel    | 02126-01    |
| 9' end channel    | 02126-04    |
| 11'6" end channel | 02126-05    |

## Ground Kits



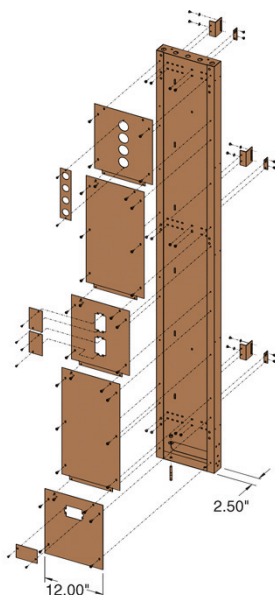
## Features

- Used on racks to provide a means to ground a bay to a common system or to splice systems together
- Includes #6 AWG insulated copper wire with solder lug and mounting screws
- Kits -05 and -06 include an extra lug for convenience

| Description                     | Part Number |
|---------------------------------|-------------|
| 24" #6 AWG ground wire and lug  | 02133-05    |
| 8" #6 AWG ground wire and lug   | 02133-06    |
| Lug only for #6 AWG ground wire | 02133-07    |

# Unequal Flange Rack Accessories

## 12" End Panels



## Features

- Used with racks to provide protection at the end of a lineup
- Sold individually, may be used as left or right end panel
- Mounting hardware included
- Order end panel to suit duct extension width; order duct extenders separately
- Covers and cutouts for AC receptacle, switches and alarm lights included
- Adjustable from 0" to 5" from the rack front
- Made of 16-gauge steel

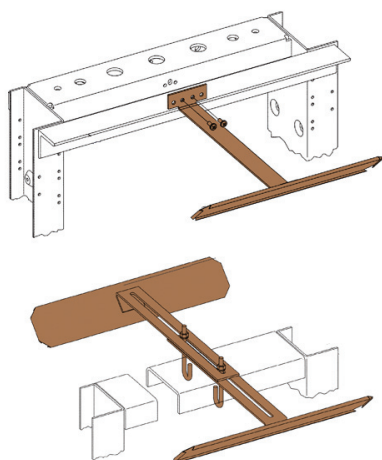
## Seismic End Panels

| Rack Height | Flush Mount | 2.5" Extension | 5" Extension | 7.5" Extension | 10" Extension |
|-------------|-------------|----------------|--------------|----------------|---------------|
| 7'          | 02331-01    | 02331-21       | 02331-51     | 02331-71       | 02331-101     |
| 9'          | 02331-04    | 02331-24       | 02331-54     | 02331-74       | 02331-104     |
| 11'6"       | 02331-05    | 02331-25       | 02331-55     | 02331-75       | 02331-105     |

## Non-Seismic End Panels

| Rack Height | Flush Mount | 2.5" Extension | 5" Extension | 7.5" Extension | 10" Extension |
|-------------|-------------|----------------|--------------|----------------|---------------|
| 7'          | 02330-01    | 02330-21       | 02330-51     | 02330-71       | 02330-101     |
| 9'          | 02330-04    | 02330-24       | 02330-54     | 02330-74       | 02330-104     |
| 11'6"       | 02330-05    | 02330-25       | 02330-55     | 02330-75       | 02330-105     |

## Designation Card Holders



## Features

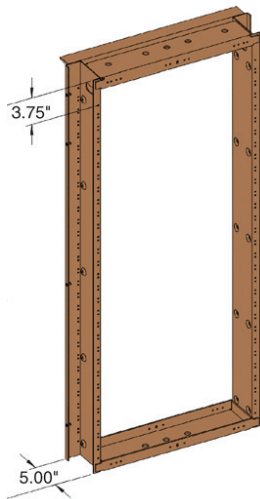
- Mounts on racks to identify the rack system
- Available as a single fixed card or as a double card with adjustable mounting
- Card holders are 13" wide
- Includes card clip, mounting brackets and all necessary mounting hardware
- Made of 11-gauge steel

| Description                        | Part Number |
|------------------------------------|-------------|
| Single, fixed mounting, 2"         | 02170-05    |
| Single, fixed mounting, 5"         | 02170-06    |
| Single, fixed mounting, 12"        | 02170-03    |
| Double, adjustable mounting, 7"-9" | 02170-04    |

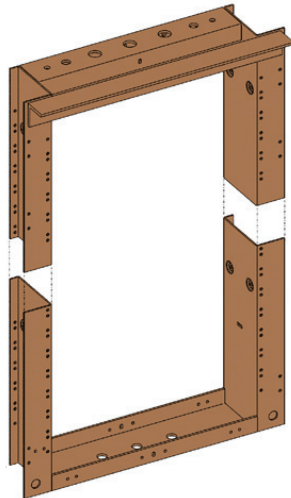


# Unequal Flange Rack Accessories

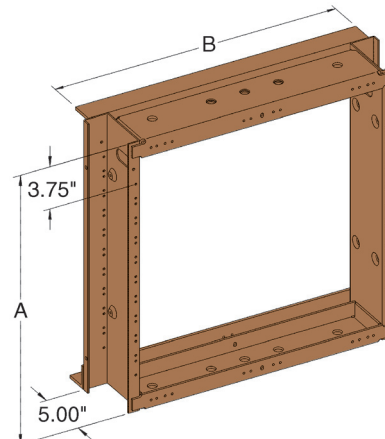
## Rack Extenders



02312-02313  
(-3xx Series features no mounting holes)



02196-02197



02310-02311

## Features

- Provides additional height to unequal flange racks
- Optional dampening panels below (3609 series)
- Do not mount equipment in seismic rack extenders
- 1.75" EIA wide 12-24 mounting holes are standard (2" WECO available)
- Includes hardware to mount extender to rack
- Made of 11-gauge steel

## Floor Supported Seismic Racks

| Extender Size | 19"      | 23"      |
|---------------|----------|----------|
| 12"           | 02312-07 | 02313-07 |
| 24"           | 02312-09 | 02313-09 |
| 54"           | 02312-01 | 02313-01 |

Note: 02313-3xx has no holes

## For Seismic Racks, No Mounting Holes

| Extender Size | 19" Seismic Racks | 23" Seismic Racks |
|---------------|-------------------|-------------------|
| 12"           | 02312-307         | 02313-307         |
| 24"           | 02312-309         | 02313-309         |
| 54"           | 02312-301         | 02313-301         |

## Overhead Supported Seismic Racks

| Extender Size | 19"      | 23"      |
|---------------|----------|----------|
| 12"           | 02310-05 | 02311-05 |
| 24"           | 02310-09 | 02311-09 |
| 54"           | 02310-01 | 02311-01 |

## For Non-Seismic Racks

| Extender Size | 19" Seismic Racks | 23" Seismic Racks |
|---------------|-------------------|-------------------|
| 12"           | 02196-07          | 02197-07          |
| 24"           | 02196-09          | 02197-09          |
| 54"           | 02196-01          | 02197-01          |

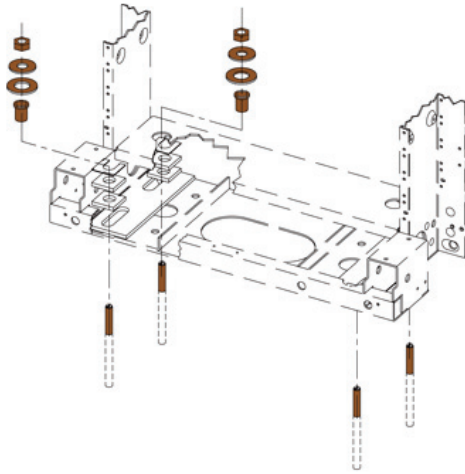
## Dampening Panels

| 19"      | 23"       |
|----------|-----------|
| 36090-01 | 36092G-18 |



# Network Bay Accessories

## Anchor Kits

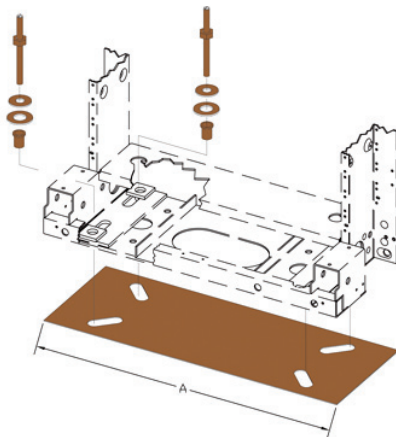


## Features

- Secures network bays to concrete floors
- Each anchor has a recommended rating of 3,220 lbs. tensile and 5,420 lbs. shear strength
- Torque cap shears off when required torque setting is reached
- Includes flat washer, four wedge anchors and four lag screws

| Description            | Part Number          |
|------------------------|----------------------|
| Seismic anchor kit     | 02323-04 (4 anchors) |
| Non-seismic anchor kit | 02323-03 (2 anchors) |

## Isolation Pad Kits

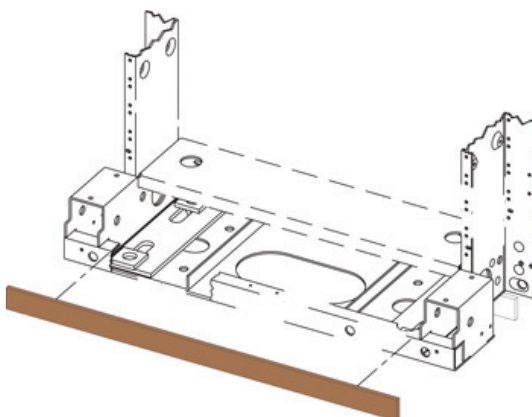


## Features

- Electrically isolates frames from floor
- Includes bushings for isolating anchors
- Pad: 0.63" thick fiberglass GP03

| Description           | Part Number |
|-----------------------|-------------|
| 19" isolation pad kit | 01465-02    |
| 23" isolation pad kit | 01465-01    |

## Base Molding



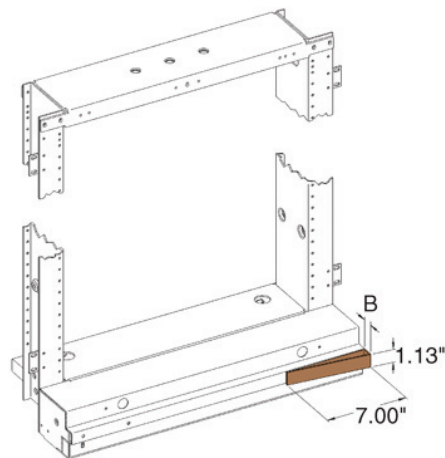
## Features

- Helps to seal the base cover to a concrete floor, especially on uneven floors
- Includes three molding pieces
- Made of high-grade plastic

| Description              | Part Number |
|--------------------------|-------------|
| 1.25" x 48" base molding | 02323-06    |

# Network Bay Accessories

## Guard Rail Adapters

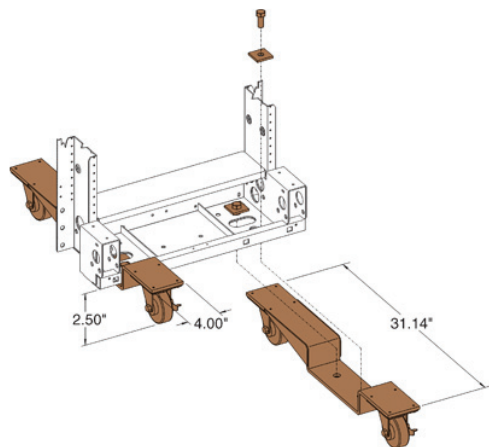


## Features

- Protects equipment where different base arrangements are adjacent to each other in a lineup
- Mounts to guard box cover
- Includes all necessary mounting hardware
- Made of 11-gauge steel

| Depth | Part Number |
|-------|-------------|
| 1"    | 02324-01    |
| 2"    | 02324-02    |
| 3"    | 02324-03    |
| 4"    | 02324-04    |
| 8"    | 02324-108   |

## Rack Dolly Assembly

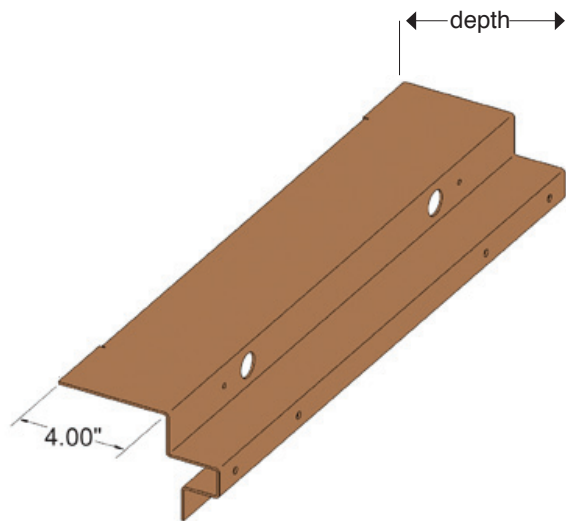


## Features

- Gives mobility to a 19" or 23" network bay
- Reinforced offset design improves portability by keeping the overall height lower and by lowering the center of gravity of the rack configuration
- Includes left- and right-side rack dolly; each dolly includes two casters with side brakes (four casters per assembly)
- 4" swivel casters support up to 350 lbs. each (1,400 lbs. total)
- Made of .375" x 4" steel bar

| Description         | Part Number |
|---------------------|-------------|
| Rack dolly assembly | 12218-01    |

## Guard Box Covers



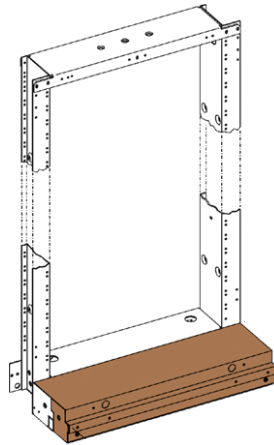
## Features

- Used with network bays to protect system hardware by enclosing the integral 5" guard extension on the base
- Commonly used to change depth of existing guard box by replacing it with 5", 6" or 8"
- Includes all necessary mounting hardware
- Made of 13-gauge steel

| Depth | For 19" Bays | For 23" Bays |
|-------|--------------|--------------|
| 5"    | 02332-11     | 02332-01     |
| 6"    | 02332-12     | 02332-02     |
| 8"    | 02332-13     | 02332-03     |

# Network Bay Accessories

## Guard Box Extenders with Covers

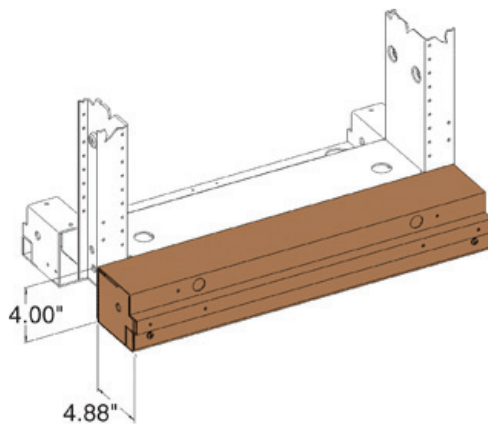


### Features

- Used with network bays to extend existing 5" guard box by 3" or 5"
- Cover has the same profile as the 5" cover on the standard network bay
- Includes all necessary mounting hardware
- Made of steel
- Fits factory welded guard box

| Description                             | Part Number |
|-----------------------------------------|-------------|
| 3" extender with 5" cover, for 19" bays | 02199-12    |
| 3" extender with 5" cover, for 23" bays | 02199-11    |
| 5" extender with 5" cover, for 23" bays | 02199-13    |

## Base Guard Boxes

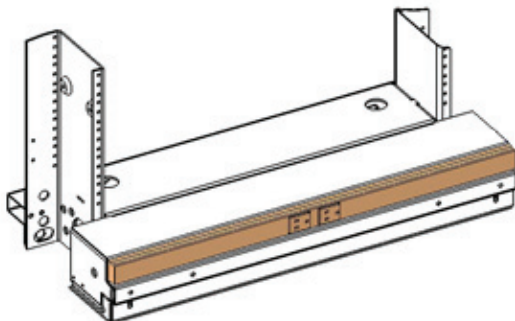


### Features

- Used on flush side to provide additional guard box protection
- Made of 13-gauge steel

| Description             | Part Number |
|-------------------------|-------------|
| 23" guard box, 5" depth | 02324-35    |
| 19" guard box, 5" depth | 02324-45    |
| 23" guard box, 8" depth | 02324-85    |

## AC Raceways



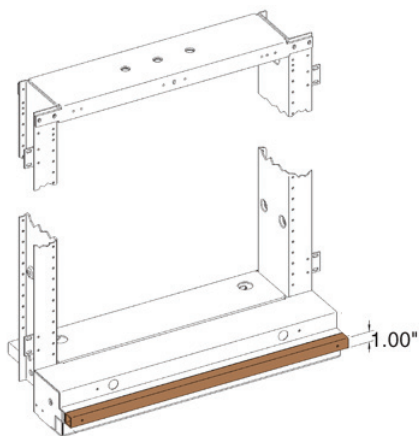
### Features

- Used with network bays to provide a frame-grounded AC supply at the base
- Mounts on front/rear of frame or base filler unit
- -01 meets UL standards and is pre-wired with two 3-wire raceway receptacles
- Includes all necessary mounting hardware

| Description                | Part Number |
|----------------------------|-------------|
| Prewired raceway, 19"      | 02327-0119  |
| Prewired raceway, 23"      | 02327-01    |
| Blank filler, 19"          | 02327-0219  |
| Blank filler, 23"          | 02327-02    |
| Blank for 2.5" base filler | 02327-03    |
| Blank for 5" base filler   | 02327-04    |

# Network Bay Accessories

## Guard Rail Extensions

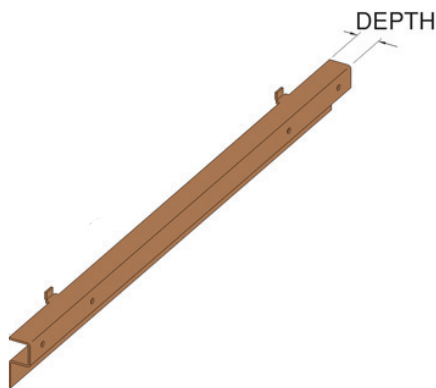


### Features

- Mounts to guard box cover or guard rail
- Includes all necessary mounting hardware
- Made of rectangular steel tubing

| Extension | For 19" Bays | For 23" Bays |
|-----------|--------------|--------------|
| 1"        | 02324-46     | 02324-32     |
| 2"        | 02324-47     | 02324-33     |
| 3"        | 02324-48     | 02324-34     |

## Guard Rails

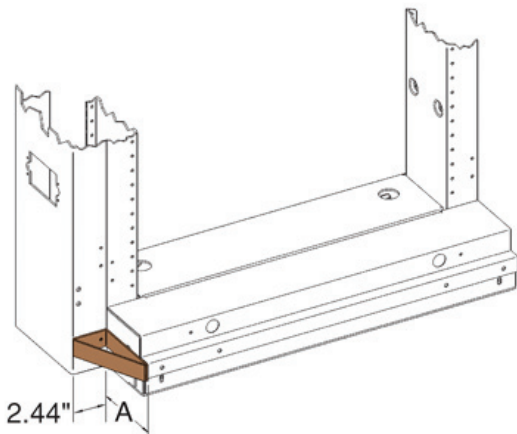


### Features

- Provides protection at the base of a network bay
- Includes all necessary mounting hardware
- Made of 13-gauge steel

| Guard Rail Depth | For 19" Bays | For 23" Bays |
|------------------|--------------|--------------|
| 1"               | 02333-11     | 02333-01     |
| 2"               | 02333-12     | 02333-02     |

## Base End Bumper Guards



### Features

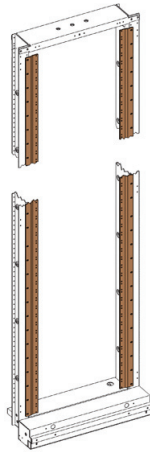
- Provides protection at the base of a network bay
- Includes all necessary mounting hardware
- Made of 11-gauge steel

| Guard Depth | Part Number |
|-------------|-------------|
| 1"          | 02320-04    |
| 2"          | 02320-16    |
| 3"          | 02320-17    |
| 4"          | 02320-05    |
| 5"          | 02320-06    |
| 6"          | 02320-18    |
| 7"          | 02320-19    |
| 8"          | 02320-26    |



# Network Bay Accessories

## Panel Adapters – 23" to 19", Full Length

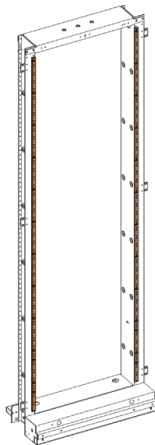


### Features

- Adapts 19" panels to 23" bays with bays originally designed for 2" RU
- Pair is available to mount panels with 1.75" or 2" RU
- Panel adapters cover the usable length of the bay
- Made of .190 aluminum

| Bay Height | 1.75" Panel | 2" Panel |
|------------|-------------|----------|
| 7'         | 02325-02    | 02325-01 |
| 9'         | 02325-05    | 02325-04 |
| 11'6"      | 02325-08    | 02325-07 |

## Panel Adapters – EIA, 23", Full Length

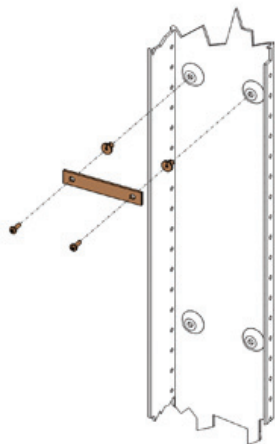


### Features

- Used with network bays to change mounting holes from 2" RU to 1.75" RU (WECA to EIA)
- Pair covers the usable length of the bay
- Made of .25" x .75" steel flat bar

| Description               | Part Number |
|---------------------------|-------------|
| EIA adapter for 7' bay    | 02325-03    |
| EIA adapter for 9' bay    | 02325-06    |
| EIA adapter for 11'6" bay | 02325-09    |

## Cable Tie Brackets, Metal



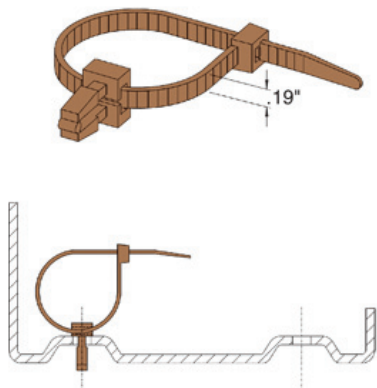
### Features

- Used on the inside of the rack vertical to tie down vertical cable runs
- -01 and -03 are supplied with nylon grommets for fasteners
- Snap attaches bracket into dimpled hole on vertical
- -07, -08 and -15 brackets attach with supplied screws
- Made of 11-gauge steel

| Description                                  | Part Number |
|----------------------------------------------|-------------|
| 12 brackets with snaps for 7' racks          | 02192-01    |
| 12 brackets with screws for 7' racks         | 02192-15    |
| 22 brackets with snaps for all rack heights  | 02192-03    |
| 22 brackets with screws for all rack heights | 02192-08    |
| One bracket with mounting hardware           | 02192-07    |

# Network Bay Accessories

## Cable Tie Brackets, Plastic



### Features

- Mounts on the inside of the rack to tie down vertical cable runs
- Cable tie is 7.75" long and mounts into the dimpled hole with a snap
- Each tie will bundle up to 1.75" of cable
- Made of nylon, UL 94V-2 flammability rated

| Description                                | Part Number |
|--------------------------------------------|-------------|
| 12 brackets with snaps for 7' racks        | 02192-04    |
| 16 brackets with snaps for 7'-9' racks     | 02192-05    |
| 22 brackets with snaps for 10'-11'6" racks | 02192-06    |

## Edge Protectors

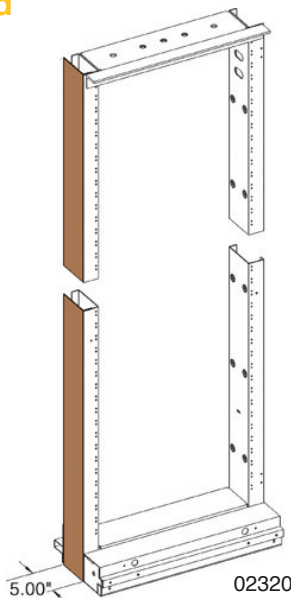


### Features

- Provides a safety edge for uprights and other sheet metal applications up to 11-gauge steel
- Easily clips over the metal edge to be protected and stays in place
- Measures approximately ½" wide when folded
- Made of nylon

| Description         | Part Number |
|---------------------|-------------|
| 42", charcoal       | 02607-01    |
| 75", charcoal       | 02607-03    |
| 100' roll, charcoal | 02607-100   |
| 42", natural        | 02608-01    |
| 100' roll, natural  | 02608-100   |

## End Guard



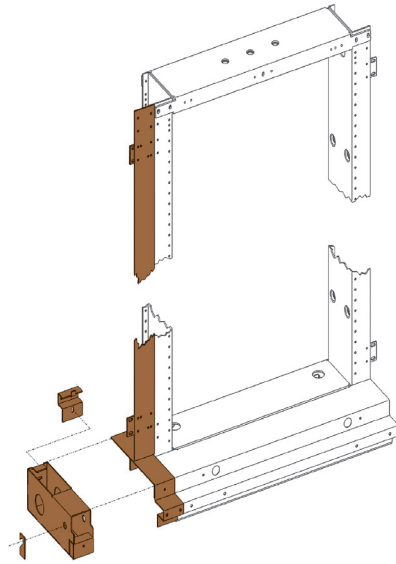
### Features

- Sold individually and may be used as a left or right end shield
- Includes all necessary mounting hardware
- Made of 11-gauge steel

| Rack Height      | Part Number |
|------------------|-------------|
| 7' end shield    | 02320-10    |
| 9' end shield    | 02320-11    |
| 11'6" end shield | 02320-12    |

# Network Bay Accessories

## Duct Capacity Extender Kits



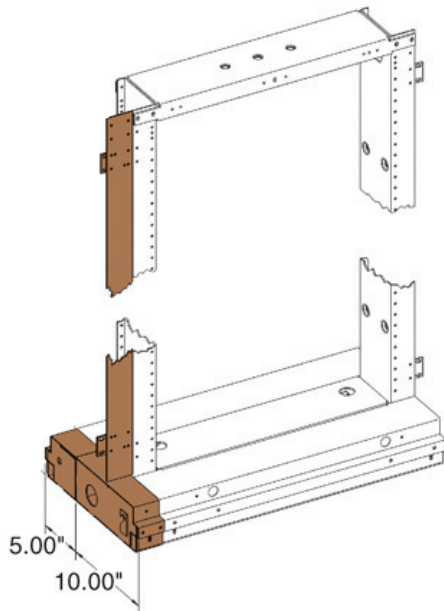
### Features

- Used with network bays to provide additional cable duct capacity without separation between two adjacent bays
- Each kit includes frame base filler and duct cover
- Kits with 1" guard rails feature a 6" cover
- Kits with 2" guard rails feature a 5" cover
- Includes all necessary mounting hardware
- Made of steel
- 02324-1xx series available for computer floors - contact Telect

| Description |       | Kits with 1" Guard Rails and 6" Cover |                 | Kits with 2" Guard Rails and 5" Cover |                 |
|-------------|-------|---------------------------------------|-----------------|---------------------------------------|-----------------|
| Height      | Depth | 2.375" Capacity                       | 4.875" Capacity | 2.375" Capacity                       | 4.875" Capacity |
| 7'          | 12"   | 02324-05                              | 02324-08        | 02324-17                              | 02324-20        |
| 9'          | 12"   | 02324-06                              | 02324-09        | 02324-18                              | 02324-21        |
| 11'6"       | 12"   | 02324-07                              | 02324-10        | 02324-19                              | 02324-22        |
| 7'          | 20"   | - -                                   |                 | 02324-05-20510                        | 02324-08-20510  |

## Duct Capacity Extender Kits

*With 15" Deep Base Filler*



### Features

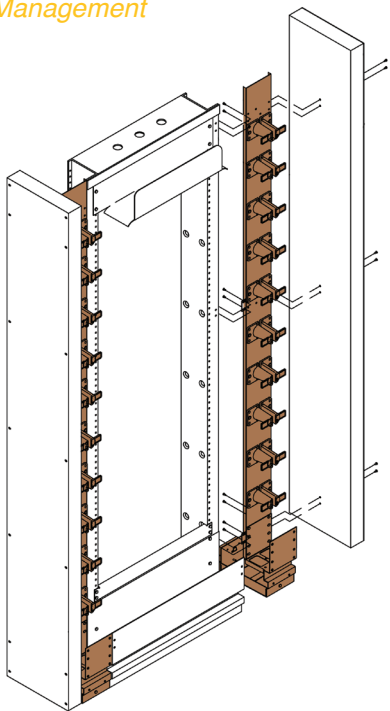
- Used with network bays to provide additional cable duct capacity while maintaining a 15" footprint between two adjacent bays
- Each kit includes a frame base filler, duct cover and all necessary mounting hardware
- Made of steel

| Bay Height | 2.375" Capacity | 4.875" Capacity |
|------------|-----------------|-----------------|
| 7'         | 02324-517       | 02324-520       |
| 9'         | 02324-518       | 02324-521       |
| 11'6"      | 02324-519       | 02324-522       |

# Network Bay Accessories

## Duct Capacity Extender Kits

With Cable Management

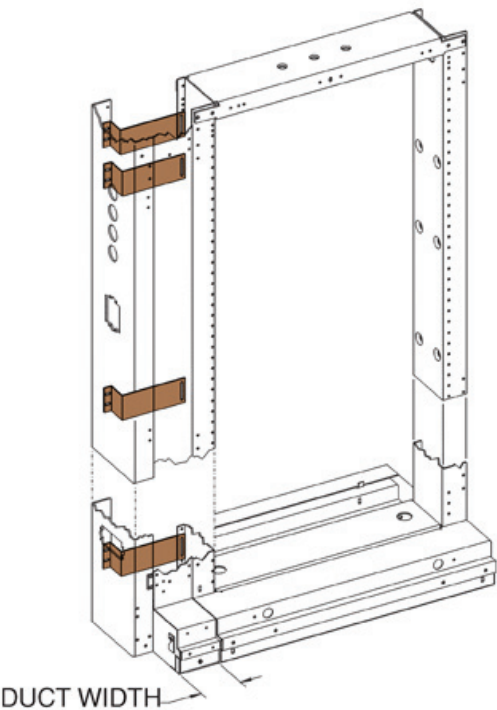


### Features

- Used with network bays to provide additional cable duct capacity and fiber cable management
- Each kit includes frame, base filler, and duct cover
- Made of steel

| Description                                                     | Part Number   |
|-----------------------------------------------------------------|---------------|
| 5" interbay storage panel w/spools                              | 37380-01      |
| For 7' bay, single sided, 4.75" capacity, post and gate system  | 071-6000-0023 |
| For 7' bay, single sided, 4.75" capacity, diamond-headed spools | 071-6000-0055 |
| For 7' bay, double sided, 4.75" capacity, diamond-headed spools | 071-6000-0060 |

## Offset Bracket Kit



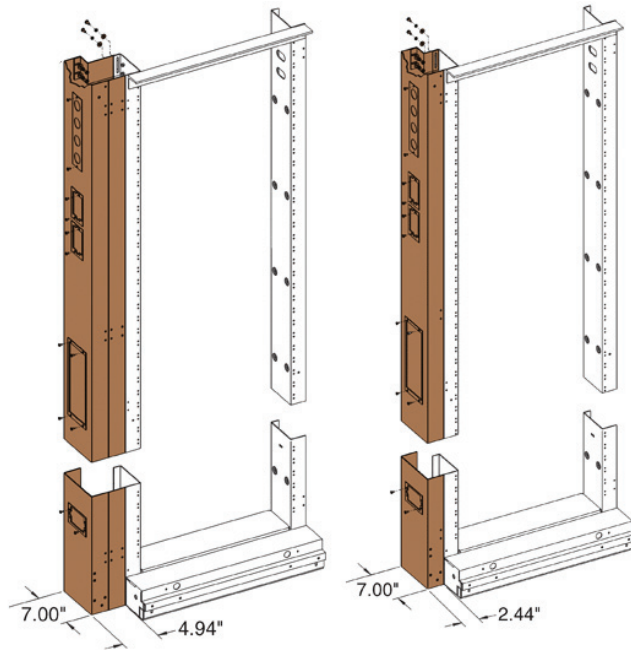
### Features

- Spans the additional duct space between end guard and another rack when the space is created by using a duct capacity extender kit
- Includes four brackets and all necessary mounting hardware
- Made of 11-gauge steel
- For use with 7" deep end guards (02320 series) page R-50

| Width | Part Number |
|-------|-------------|
| 2.5"  | 02320-21    |
| 5"    | 02320-20    |
| 7.5"  | 02320-22    |
| 10"   | 02320-23    |

# Network Bay Accessories

## End Guards and Accessories



## Features

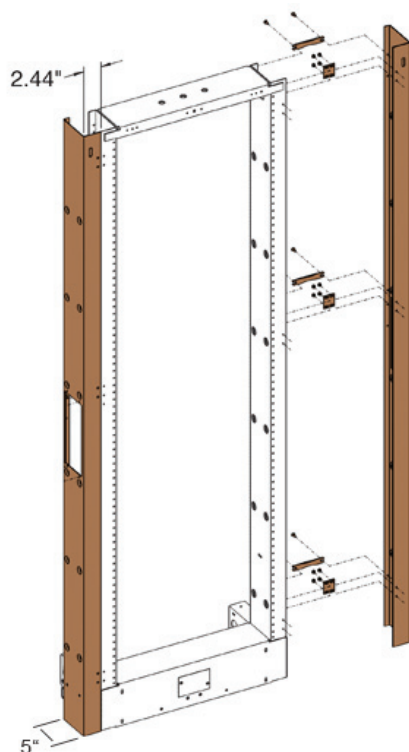
- Provides protection and alarms at the end of an aisle
- End guard with duct filler provides additional cable duct capacity
- Sold individually and may be used as a left or right end guard
- Includes covers and cutouts for AC receptacle, switches, alarm lights and mounting hardware
- Made of 11-gauge steel

| Rack Height | End Guard | End Guard with Duct Filler |
|-------------|-----------|----------------------------|
| 7'          | 02320-01  | 02320-13                   |
| 9'          | 02320-02  | 02320-14                   |
| 11'6"       | 02320-03  | 02320-15                   |

## Open End Fillers

| Description                       | Part Number |
|-----------------------------------|-------------|
| AC outlet assembly                | 02321-02    |
| Switch assembly                   | 02321-01    |
| Switch assembly with 3-way rocker | 02321-03    |
| Alarm light assembly              | 02320-09    |
| Spare fuse holder                 | 05004-09    |

## End Channels



## Features

- Provides cable duct protection at the end of a lineup
- Includes junction plates, blank panels and mounting hardware (left and right side supplied)
- Made of 11-gauge steel
- Width is 5"

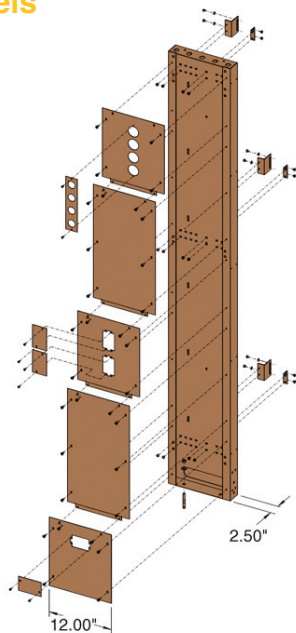
| Description       | Part Number |
|-------------------|-------------|
| 7' end channel    | 02126-01    |
| 9' end channel    | 02126-04    |
| 11'6" end channel | 02126-05    |

## Optional Panels

| Description                              | Part Number |
|------------------------------------------|-------------|
| Blank panel                              | 02127-01    |
| Alarm panel                              | 02127-02    |
| Panel with 2 cutouts for duplexes        | 02127-03    |
| Panel with 1 cutout for duplex or switch | 02127-04    |

# Network Bay Accessories

## 12" End Panels

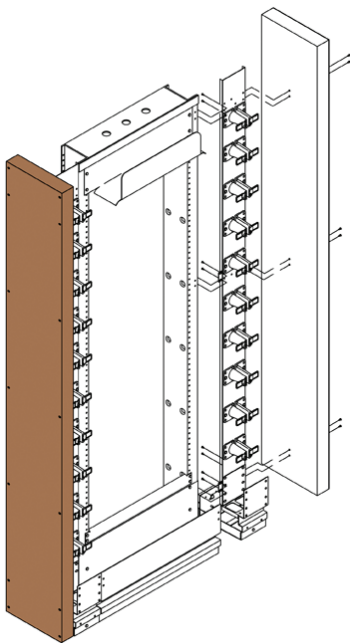


## Features

- Provides protection at the end of a lineup
- Sold individually, may be used as left or right end panel
- Mounting hardware included
- Order end panel to suit duct extension width; order duct extenders separately
- Covers and cutouts for AC receptacle, switches and alarm lights included
- Adjustable from 0" to 5" from the rack front
- Made of 16-gauge steel

| Rack Height | Flush Mount | 2.5" Extension | 5" Extension | 7.5" Extension | 10" Extension |
|-------------|-------------|----------------|--------------|----------------|---------------|
| 7'          | 02330-01    | 02330-21       | 02330-51     | 02330-71       | 02330-101     |
| 9'          | 02330-04    | 02330-24       | 02330-54     | 02330-74       | 02330-104     |
| 11'6"       | 02330-05    | 02330-25       | 02330-55     | 02330-75       | 02330-105     |

## 12" Solid End Panel



## Features

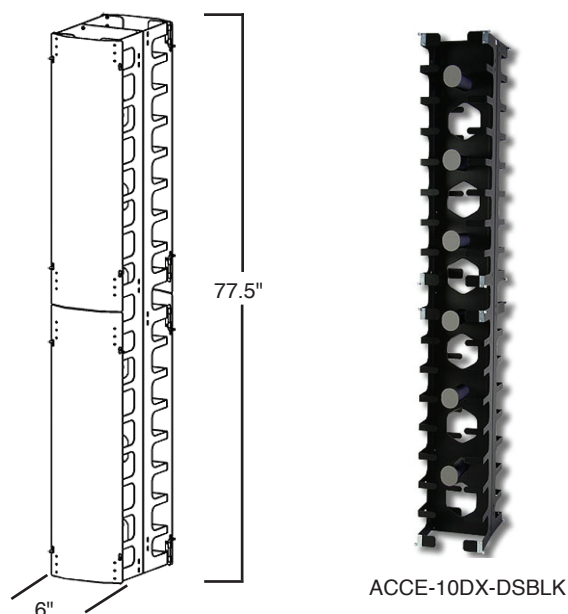
- Provides protection at the end of a lineup
- Sold individually, may be used as left or right end panel
- Mounting hardware included
- Made of steel

| Description        | Part Number   |
|--------------------|---------------|
| 7' x 12" end panel | 071-6000-0020 |



# Network Bay Accessories

## On-Frame Cable Management



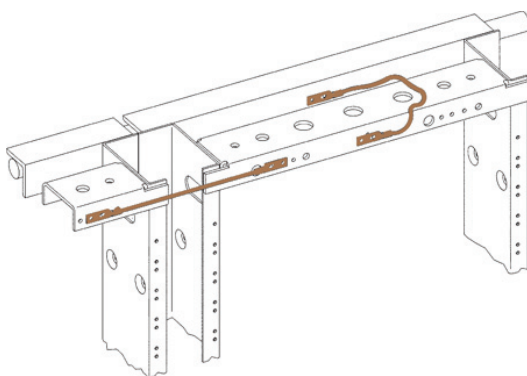
## Features

- Choose from several components to enhance cable management in datacenter and other applications
- All components made of high-grade materials for long-term reliability

## Vertical Cable Management

| Type         | Size               | Color | Part Number     |
|--------------|--------------------|-------|-----------------|
| Double-sided | 6" W, for 7' racks | Black | ACCE-6DX-DSBLK  |
| Single-sided | 6" W, for 7' racks | Black | ACCE-6DX-SSBLK  |
| Double-sided | 10" W for 7' racks | Black | ACCE-10DX-DSBLK |
| Single-sided | 10" W for 7' racks | Black | ACCE-10DX-SSBLK |

## Ground Kits

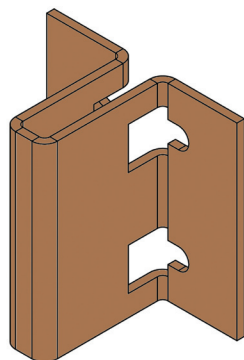


## Features

- Used on racks to provide a means to ground a bay to a common system or to splice systems together
- Includes #6 AWG insulated copper wire with solder lug and mounting screws
- Kits -05 and -06 include an extra lug for convenience

| Description                     | Part Number |
|---------------------------------|-------------|
| 24" #6 AWG ground wire and lug  | 02133-05    |
| 8" #6 AWG ground wire and lug   | 02133-06    |
| Lug only for #6 AWG ground wire | 02133-07    |

## Junction Plates



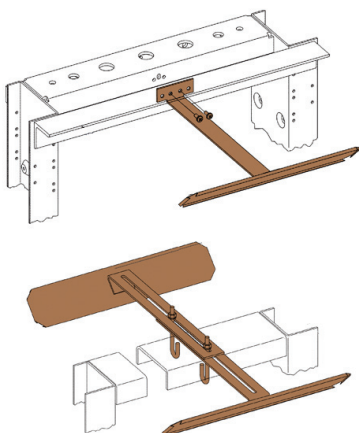
## Features

- Connects one seismic network bay to another in a lineup
- Quantity of junction plates determined by rack height
- Made of steel
- For non-seismic junction plates see p. R34

| Description            | Part Number |
|------------------------|-------------|
| Seismic junction plate | 131810      |

# Network Bay Accessories

## Designation Card Holders

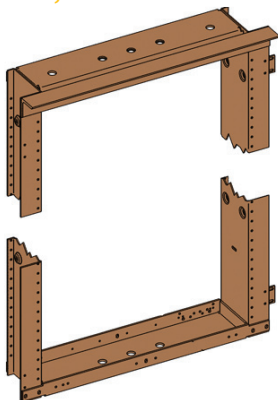


### Features

- Mounts on racks to identify the rack system
- Available as a single fixed card or as a double card with adjustable mounting
- Card holders are 13" wide
- Includes card clip, mounting brackets and all necessary mounting hardware
- Made of 11-gauge steel

| Description                        | Part Number |
|------------------------------------|-------------|
| Single, fixed mounting, 2"         | 02170-05    |
| Single, fixed mounting, 5"         | 02170-06    |
| Single, fixed mounting, 12"        | 02170-03    |
| Double, adjustable mounting, 7"-9" | 02170-04    |

## Rack Extenders, Non-Seismic



### Features

- Provides additional height to existing 7' non-seismic network bays
- Includes hardware to mount extender to rack
- Not recommended for Zone 3 and 4 seismic areas
- 2" WECO wide mounting holes are standard (1.75" EIA also available)
- Made of steel

| Extender Length | For 19" Bays | For 23" Bays |
|-----------------|--------------|--------------|
| 12"             | 12869-07F    | 02322-07F    |
| 24"             | 12869-03F    | 02322-03F    |
| 54"             | 12869-05F    | 02322-05F    |

## Rack Extenders, Seismic



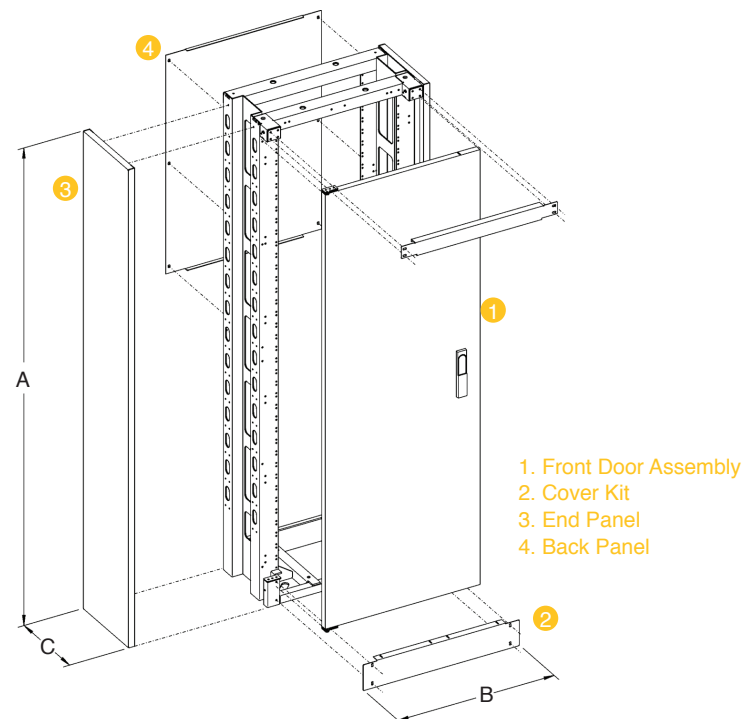
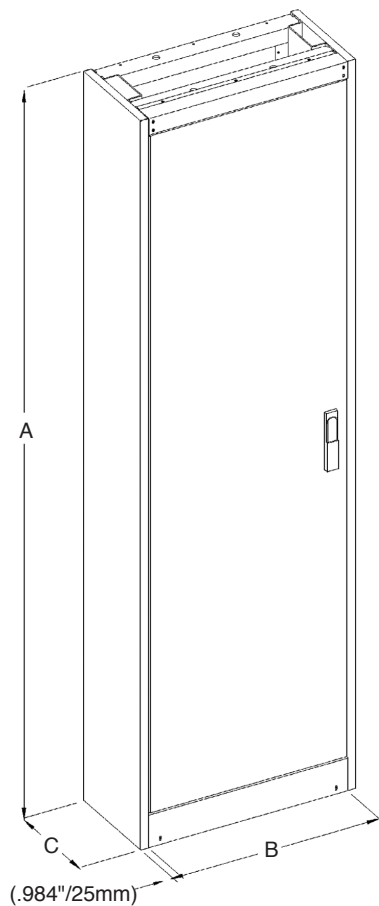
### Features

- Provides additional height to 23" seismic-rated network bays
- On 12637-07F, -03F and -05F, 2" WECO wide 12-24 mounting holes are standard (1.75" EIA available)
- Includes hardware to mount extender to rack
- 7.5" tall steel dampening panels are recommended, see 3609 series stiffening panels

| Extender Length | No Mounting Holes | WECO Mounting Holes |
|-----------------|-------------------|---------------------|
| 12"             | 12637-307         | 12637-07F           |
| 24"             | 12637-303         | 12637-03F           |
| 54"             | 12637-305         | 12637-05F           |

# Global Seismic Frame Accessories

## Enclosure Components



### Features

- Enclosure components made of 16-gauge steel
- All surfaces can be removed for access to equipment
- Keyed locks available
- Engineered for 19", 23" and metric frames

### 1. Front Door Assembly

| 19"/Metric Door Assemblies |                                 |                                  |                                        |
|----------------------------|---------------------------------|----------------------------------|----------------------------------------|
| Frame Height<br>A          | B=23.54" (600 mm)               |                                  |                                        |
|                            | Single Solid Front or Rear Door | Single Vented Front or Rear Door | Single with Window, Front or Rear Door |
| 7' (213 cm)                | 0GS106D-A                       | 0GS106D-B                        | 0GS106D-C                              |
| 220 cm                     | 0GS107D-A                       | 0GS107D-B                        | 0GS107D-C                              |

| 23" Door Assemblies |                                 |                                  |                                        |
|---------------------|---------------------------------|----------------------------------|----------------------------------------|
| Frame Height<br>A   | B=25.875"                       |                                  |                                        |
|                     | Single Solid Front or Rear Door | Single Vented Front or Rear Door | Single with Window, Front or Rear Door |
| 7' (213 cm)         | 0GS206D-A                       | 0GS206D-B                        | 0GS206D-C                              |

Note: Order front and rear door assemblies separately. Cover kits and enclosure mounting kits required with doors.

### 2. Cover Kits

| Cover Kits, 19", 23" or Metric Racks    |                           |                    |
|-----------------------------------------|---------------------------|--------------------|
| Cover Kit with Solid Top                | 19"/Metric Panel Mounting | 23" Panel Mounting |
| Solid base cover                        | 0GS100C-C                 | 0GS200C-C          |
| Solid base cover with AC duplex cutout  | 0GS100C-E                 | 0GS200C-E          |
| Vented base cover                       | 0GS100C-V                 | 0GS200C-V          |
| Vented base cover with AC duplex cutout | 0GS100C-EV                | 0GS200C-EV         |

Note: Order one cover kit for each door

# Global Seismic Frame Accessories

## 3. End Panel

| End Panels, 19", 23" or Metric Racks |                      |                      |                      |                      |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|
| Frame Height<br>A                    | C=11.81"<br>(300 mm) | C=17.72"<br>(450 mm) | C=23.62"<br>(600 mm) | C=29.53"<br>(750 mm) |
| 7' (213 cm)                          | 0GS036EP             | 0GS046EP             | 0GS066EP             | 0GS076EP             |
| 220 cm                               | 0GS037EP             | 0GS047EP             | 0GS067EP             | 0GS077EP             |

Note: Order one end panel for each side. Enclosure mounting kit required for each frame

## 4. Back Panel

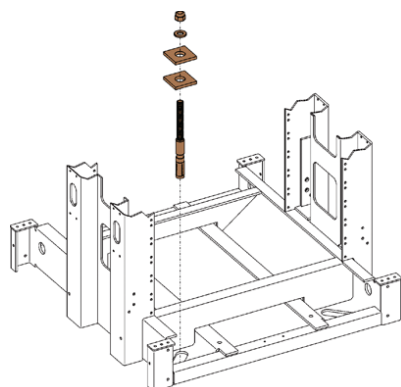
| Back Panel Kits   |                                   |                                    |                                      |
|-------------------|-----------------------------------|------------------------------------|--------------------------------------|
| Frame Height<br>A | 19" Panel<br>Mounting<br>B=23.54" | 23" Panel<br>Mounting<br>B=25.875" | Metric Panel<br>Mounting<br>B=600 mm |
| 7' (213 cm)       | 0GS106D-R                         | 0GS206D-R                          | 0GS306D-R                            |
| 220 cm            | --                                | --                                 | 0GS307D-R                            |

Note: Rear doors not available on 11.81"/300 mm deep frames; back panel kits available only.

| Enclosure Mounting Kits, 19", 23" or Metric Racks |             |
|---------------------------------------------------|-------------|
| C                                                 | Part Number |
| 11.81" (300 mm)                                   | 08021-H01   |
| 17.72" (450 mm)                                   | 08021-H02   |
| 23.62" (600 mm)                                   | 08021-H03   |
| 29.53" (750 mm)                                   | 08021-H04   |

Note: Enclosure mounting kit required with doors and/or end panels.

## Non-Isolated Anchor Kit



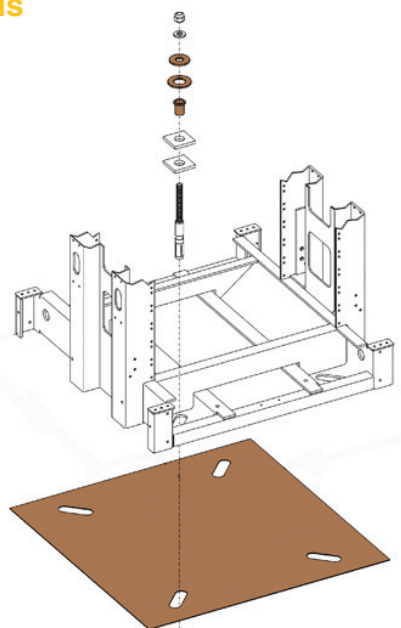
## Features

- Secure GS frames to concrete floors in Zone 4 seismic areas
- Anchor has a recommended rating of 3,220 lbs. tensile and 5,420 lbs. shear strength
- Break-away torque nut sheers off when required torque setting is reached
- Includes four M12-1.75 expansion bolt anchors and all necessary mounting hardware

| Description | Part Number |
|-------------|-------------|
| Anchor kit  | 08022K01    |

# Global Seismic Frame Accessories

## Isolation Pads

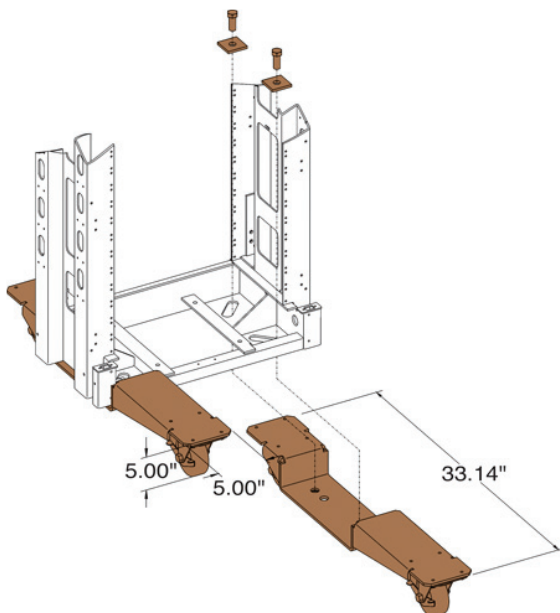


## Features

- Electrically isolates GS frames from the floor
- Designed for use with GS frame anchor kit (08022K01)
- -V version is for frames without end panels; -VE version is for frames with end panels
- Includes bushings for isolating anchors
- Made of .063" thick fiberglass GP03

| Description | 19" Metric Frames |                | 23" Frames   |                |
|-------------|-------------------|----------------|--------------|----------------|
| Frame Depth | No End Panel      | With End Panel | No End Panel | With End Panel |
| 300 mm      | 08021-V63         | 08021-VE63     | 08022-V63    | 08022-VE63     |
| 450 mm      | 08021-V64         | 08021-VE64     | 08022-V64    | 08022-VE64     |
| 600 mm      | 08021-V66         | 08021-VE66     | 08022-V66    | 08022-VE66     |
| 750 mm      | 08021-V67         | 08021-VE67     | 08022-V67    | 08022-VE67     |

## Rack Dolly Assemblies



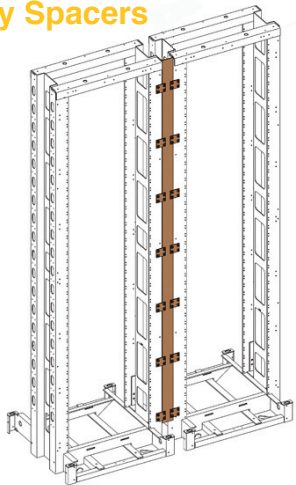
## Features

- Gives mobility to a GS frame in a temporary or test lab environment
- Reinforced offset design improves portability by reducing height and lowering the center of gravity of the rack configuration
- Includes left- and right-side rack dolly and hardware
- Each dolly includes two casters with side brakes (four casters per assembly)
- 4" swivel casters support up to 350 lbs. each (1,400 lbs. total)
- Made of .250" thick steel bar

| Frame Depth | Part Number |
|-------------|-------------|
| 300 mm      | 12218-02    |
| 450 mm      | 12218-03    |
| 600 mm      | 12218-07    |
| 750 mm      | 12218-06    |

# Global Seismic Frame Accessories

## Duct Capacity Spacers

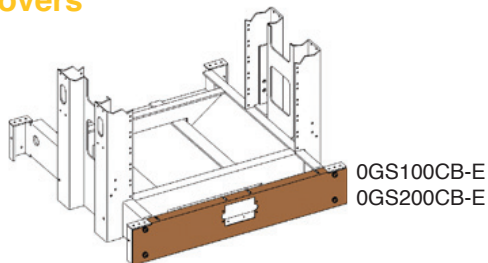


### Features

- Provides additional wiring space between two adjacent GS frames
- Available in 2.5" and 5" spacer widths
- Includes junction plates and mounting hardware
- Made of 14-gauge steel

| Frame Height | 2.5" W Spacer | 5" W Spacer |
|--------------|---------------|-------------|
| 7'           | 37398-02      | 37398-01    |
| 2200 mm      | 37398-06      | 37398-05    |

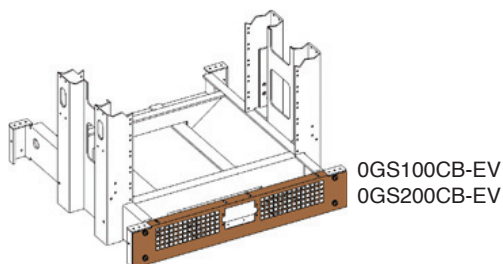
## Base Covers



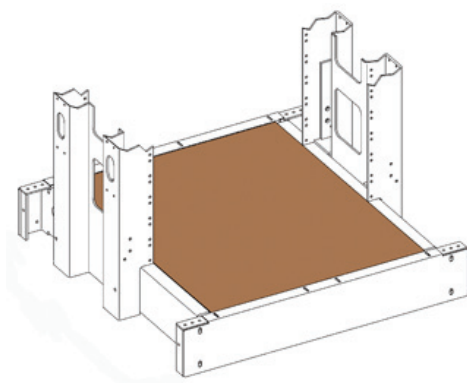
### Features

- Covers the bottom of a single GS frame
- Order front and rear base covers separately
- Includes all necessary mounting hardware
- Made of 11-gauge steel

| Type                      | 19" Metric Frames | 23" Frames  |
|---------------------------|-------------------|-------------|
| Solid base cover with AC  | 0GS100CB-E        | 0GS200CB-E  |
| Vented base cover with AC | 0GS100CB-EV       | 0GS200CB-EV |



## Base Guard Covers



### Features

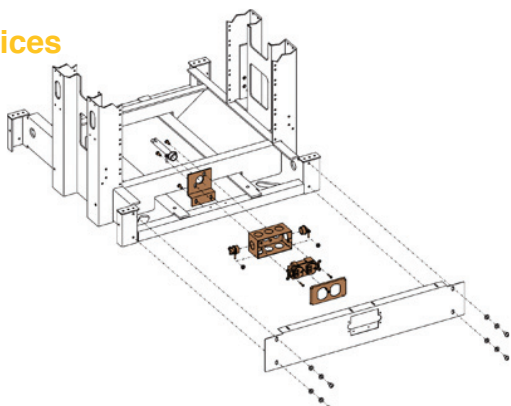
- Used to finish the base of a single GS frame
- Must be used with base covers (order separately)
- Made of 16-gauge steel

| Frame Depth | 19" Metric Frames | 23" Frames |
|-------------|-------------------|------------|
| 300 mm      | 0GS130G           | 0GS230G    |
| 450 mm      | 0GS140G           | 0GS240G    |
| 600 mm      | 0GS160G           | 0GS260G    |
| 750 mm      | 0GS170G           | 0GS270G    |



# Global Seismic Frame Accessories

## AC Devices

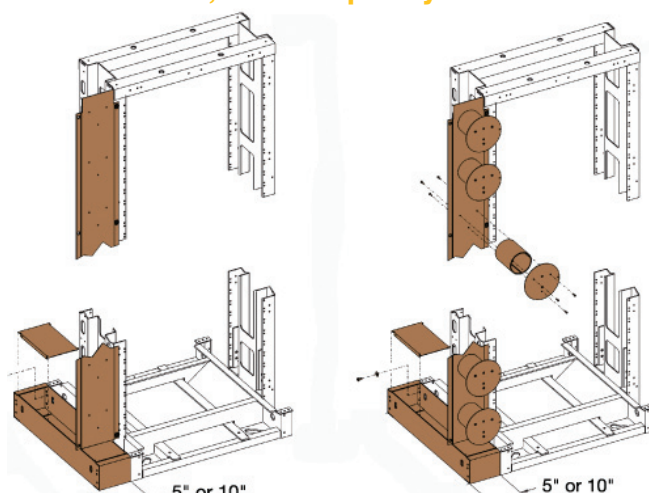


## Features

- Mounts under GS frame base cover with AC duplex cutout
- Order front and rear units separately
- Ships unassembled; includes mounting hardware
- UL rated steel components

| Description                    | Part Number |
|--------------------------------|-------------|
| AC Device with dual receptacle | 02606-27    |

## Extender Kits, Duct Capacity



0GS0XXSP-05  
0GS0XXSP-10

0GS0XXSP-05S  
0GS0XXSP-10S

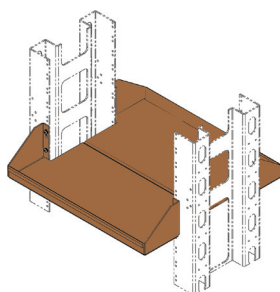
## Features

- Provides additional cable duct capacity
- Each kit includes frame base filler, duct cover and mounting hardware
- Made of steel
- End guard for use with extender kits available 08329EG0xx series

| Description | For 7' Frames |             | For 2200 mm Frames |             |
|-------------|---------------|-------------|--------------------|-------------|
|             | 5" Duct       | 10" Duct    | 5" Duct            | 10" Duct    |
| 300 mm      | 0GS036SP-05   | 0GS036SP-10 | 0GS037SP-05        | 0GS037SP-10 |
| 450 mm      | 0GS046SP-05   | 0GS046SP-10 | 0GS047SP-05        | 0GS047SP-10 |
| 600 mm      | 0GS066SP-05   | 0GS066SP-10 | 0GS067SP-05        | 0GS067SP-10 |
| 750 mm      | 0GS076SP-05   | 0GS076SP-10 | 0GS077SP-05        | 0GS077SP-10 |

Note: To add fiber spools, add "S" at the end of the part number.

## Battery Trays



## Features

- Supports batteries in a rack
- Suggested maximum load: 500 lbs.
- Includes 12-24 mounting screws and battery position spacers
- Made of 3/16" thick hot-rolled steel

| Description      | Part Number |
|------------------|-------------|
| 19" battery tray | 16230-01    |
| 23" battery tray | 16230-02    |

# Universal Rack Accessories

## On-Frame Cable Management

## Features

- Choose from several components to enhance cable management in datacenter and other applications
- All components made of high-grade materials for long-term reliability

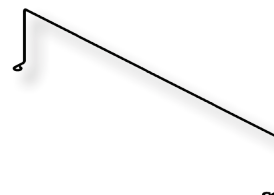
### Cable Management Trough

| Frame Width | Type                     | Height | Hole Spacing | Color | Part Number     |
|-------------|--------------------------|--------|--------------|-------|-----------------|
| 19"         | Mid-horizontal trough    | 2 RU   | EIA          | Black | ACCE-MHTR-19BLK |
| 19"         | Mid-horizontal trough    | 3 RU   | EIA/WECO     | White | 114564-1        |
| 19"         | Bottom-horizontal trough | 2 RU   | EIA          | Black | ACCE-BHTR-19BLK |
| 19"         | Bottom-horizontal trough | 4 RU   | EIA/WECO     | White | 114565-1        |
| 23"         | Mid-horizontal trough    | 2 RU   | EIA          | Black | ACCE-MHTR-23BLK |
| 23"         | Bottom-horizontal trough | 2 RU   | EIA          | Black | ACCE-BHTR-23BLK |
| 23"         | 5" Upper trough          | 3 RU   | EIA/WECO     | White | 106158-1        |
| 23"         | 6" Upper trough          | 3 RU   | WECO         | White | 065-3000-1026   |
| 23"         | 5" Lower trough          | 5 RU   | EIA/WECO     | White | 106159-1        |
| 23"         | 6" Lower trough          | 3 RU   | WECO         | White | 065-3000-1025   |



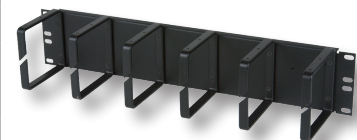
### Lacing Bars

| Frame Width | Color | Part Number     |
|-------------|-------|-----------------|
| 19"         | Black | ACCE-LBAR-19BLK |
| 23"         | Black | ACCE-LBAR-23BLK |



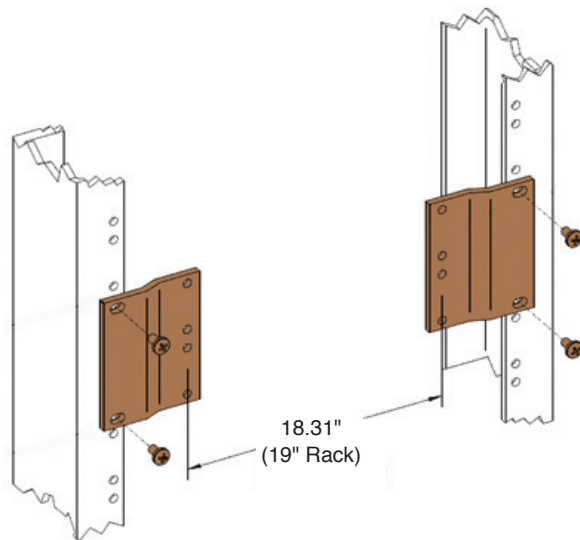
### Ring Panels

| Frame Width | Height | Hole Spacing | Color | Part Number     |
|-------------|--------|--------------|-------|-----------------|
| 19"         | 1 RU   | EIA          | Black | ACCE-RG1U-19BLK |
| 19"         | 4 RU   | EIA          | Black | ACCE-RG4U-19BLK |
| 23"         | 1 RU   | EIA          | Black | ACCE-RG1U-23BLK |
| 23"         | 3 RU   | EIA/WECO     | White | 065-4000-1004   |
| 23"         | 4 RU   | EIA          | Black | ACCE-RG4U-23BLK |
| ??????      |        | ????         |       | 065-0100-9000   |
|             | ????   | ???          |       | 065-0100-9001   |



# Universal Rack Accessories

## Panel Adapters – 19" to 23"



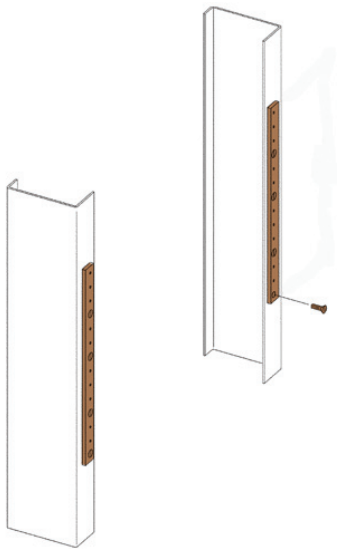
## Features

- Adapts 19" equipment panels to 23" racks; sets are available in 1.75" or 2" increments
- Adapters with the same panel mounting may be butted end-to-end for extra mounting length; panel adapters that change panel mounting may not be used end-to-end
- Adapters sold in pairs with mounting screws
- 1.75" EIA wide and 2" WECO wide mounting hole patterns available
- Made of .190" aluminum

| Height | 1.75" EIA Panel for 1.75" EIA Rack | 2" WECO Panel for 2" WECO Rack | 1.75" EIA Panel for 2" WECO Rack | 2" WECO Panel for 1.75" EIA Rack |
|--------|------------------------------------|--------------------------------|----------------------------------|----------------------------------|
| 1 RU   | 02117-01                           | 02117-01F                      | 02117-51                         | 02117-51F                        |
| 2 RU   | 02117-02                           | 02117-02F                      | 02117-52                         | 02117-52F                        |
| 3 RU   | 02117-03                           | 02117-03F                      | 02117-53                         | 02117-53F                        |
| 4 RU   | 02117-04                           | 02117-04F                      | 02117-54                         | 02117-54F                        |
| 5 RU   | 02117-05                           | 02117-05F                      | 02117-55                         | 02117-55F                        |
| 6 RU   | 02117-06                           | 02117-06F                      | 02117-56                         | 02117-56F                        |
| 7 RU   | 02117-07                           | 02117-07F                      | 02117-57                         | 02117-57F                        |
| 8 RU   | 02117-08                           | 02117-08F                      | 02117-58                         | 02117-58F                        |
| 9 RU   | 02117-09                           | 02117-09F                      | 02117-59                         | 02117-59F                        |
| 10 RU  | 02117-10                           | 02117-10F                      | 02117-60                         | 02117-60F                        |
| 11 RU  | 02117-11                           | 02117-11F                      | 02117-61                         | 02117-61F                        |
| 12 RU  | 02117-12                           | 02117-12F                      | 02117-62                         | 02117-62F                        |
| 13 RU  | 02117-13                           | 02117-13F                      | 02117-63                         | 02117-63F                        |
| 14 RU  | 02117-14                           | 02117-14F                      | 02117-64                         | 02117-64F                        |
| 38 RU  | --                                 | 02117-38F                      | --                               | 02117-88F                        |
| 43 RU  | 02117-43                           | --                             | 02117-93                         | --                               |
| 44 RU  | 02117-44                           | --                             | --                               | --                               |

# Universal Rack Accessories

## Panel Adapters – Hole Spacing

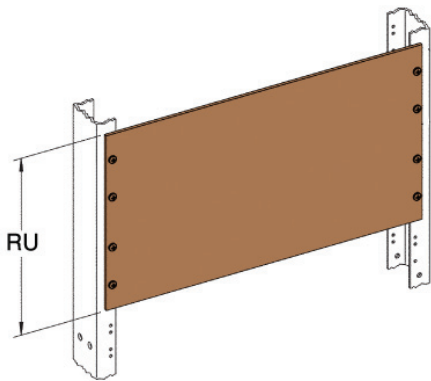


### Features

- -01 thru -05 adapts 1.75" RU rack for mounting 2" RU panels
- -51 thru -55 adapts 2" RU rack for mounting 1.75" RU panels
- Each assembly includes two mounting bars and all necessary mounting hardware
- For network bay panel adapters, see 02325-03, -06 and -09
- 1.75" EIA wide hole spacing (1.25", .5", 1.25", 12-24 tapped) mounts 1.75" high equipment panels
- 1" WECO wide hole spacing mounts 2" high equipment panels
- Made of .25" x 1" steel

| Panel Space | 1.75" Adapters for 2" WECO Rack | 2" WECO Adapters for 1.75" EIA Rack |
|-------------|---------------------------------|-------------------------------------|
| 1 RU        | 02162-51                        | 02162-01                            |
| 2 RU        | 02162-52                        | 02162-02                            |
| 3 RU        | 02162-53                        | 02162-03                            |
| 4 RU        | 02162-54                        | 02162-04                            |
| 5 RU        | 02162-55                        | 02162-05                            |

## Blank Panels



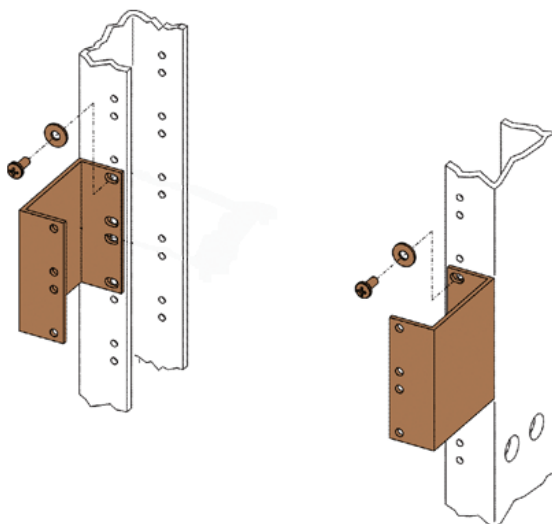
### Features

- Closes open areas between equipment on racks
- Use 7.5" tall steel dampening panels for seismic racks
- Includes 12-24 mounting screws
- Made of .190" 5052-H32 aluminum

| Height | 19" Racks, 1.75" EIA Spacing | 19" Racks, 2" WECO Spacing | 23" Racks, 1.75" EIA Spacing | 23" Racks, 2" WECO Spacing |
|--------|------------------------------|----------------------------|------------------------------|----------------------------|
| 1 RU   | 02155-01                     | 02155-01F                  | 02156-01                     | 02156-01F                  |
| 2 RU   | 02155-02                     | 02155-02F                  | 02156-02                     | 02156-02F                  |
| 3 RU   | 02155-03                     | 02155-03F                  | 02156-03                     | 02156-03F                  |
| 4 RU   | 02155-04                     | 02155-04F                  | 02156-04                     | 02156-04F                  |
| 5 RU   | 02155-05                     | 02155-05F                  | 02156-05                     | 02156-05F                  |
| 6 RU   | 02155-06                     | 02155-06F                  | 02156-06                     | 02156-06F                  |
| 7 RU   | 02155-07                     | 02155-07F                  | 02156-07                     | 02156-07F                  |
| 8 RU   | 02155-08                     | 02155-08F                  | 02156-08                     | 02156-08F                  |

# Universal Rack Accessories

## Panel Stand-Offs



## Features

- Mounts panels (3", 5" or 7") from front of upright
- Accommodates one to four panel spaces (1.75" or 2" RU)
- Includes bolts to mount one pair of stand-offs
- Made of 11-gauge steel

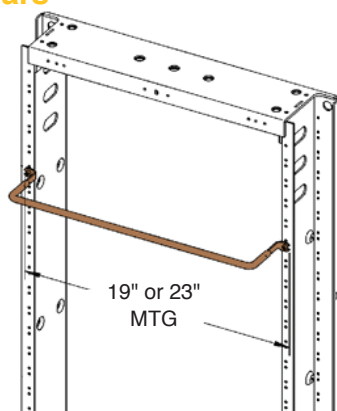
## EIA (1.75") Spacing

| Height | 3" Depth | 5" Depth | 7" Depth |
|--------|----------|----------|----------|
| 1 RU   | 02130-01 | 02130-05 | 02130-09 |
| 2 RU   | 02130-02 | 02130-06 | 02130-10 |
| 3 RU   | 02130-03 | 02130-07 | 02130-11 |
| 4 RU   | 02130-04 | 02130-08 | 02130-12 |

## WECO (2") Spacing

| Height | 3" Depth  | 5" Depth  | 7" Depth  |
|--------|-----------|-----------|-----------|
| 1 RU   | 02130-01F | 02130-05F | 02130-09F |
| 2 RU   | 02130-02F | 02130-06F | 02130-10F |
| 3 RU   | 02130-03F | 02130-07F | 02130-11F |
| 4 RU   | 02130-04F | 02130-08F | 02130-12F |

## Tie-Down Bars

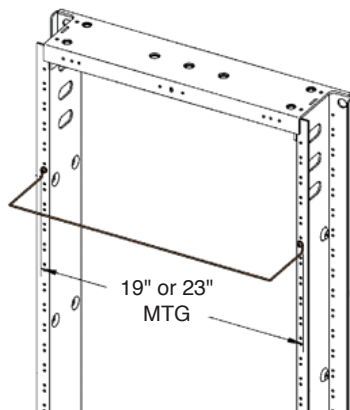


## Features

- Organizes and secures cables to racks
- Includes all necessary mounting hardware
- Made of .5" steel tubing

| Extension | For 19" Racks | For 23" Racks |
|-----------|---------------|---------------|
| 4"        | 37615-02      | 37615-01      |
| 5"        | 37615-08      | 37615-07      |
| 8"        | 37615-41      | 37615-42      |

## Wire Retainers



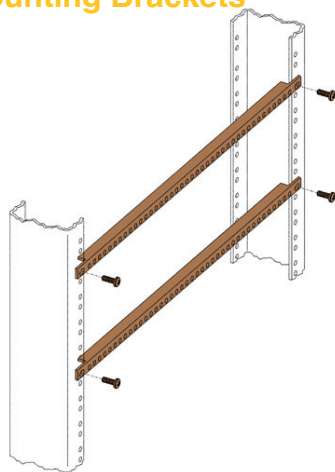
## Features

- Organizes and routes cables along back of rack
- Includes all necessary mounting hardware
- Made of .125" steel wire

| Extension | For 19" Racks | For 23" Racks |
|-----------|---------------|---------------|
| 2"        | 37267-03      | 37267-04      |
| 4"        | 37267-05      | 37267-06      |
| 5"        | 37267-01      | 37267-02      |

# Universal Rack Accessories

## Angle Mounting Brackets

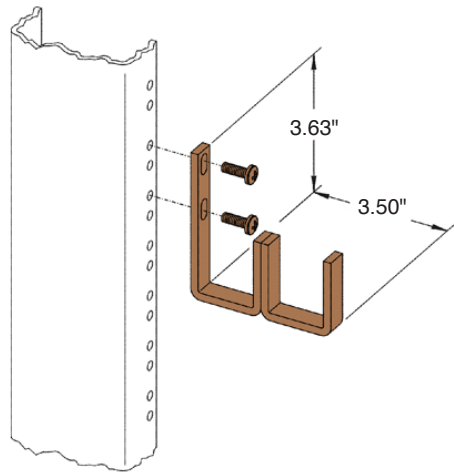


### Features

- Mounts equipment vertically between uprights
- Mounting holes are on .4375" centers, tapped 12-24
- Sold in pairs
- Made of 11-gauge steel

| Description            | Part Number |
|------------------------|-------------|
| Brackets for 19" racks | 02165-01    |
| Brackets for 23" racks | 02165-02    |

## Cord Hook

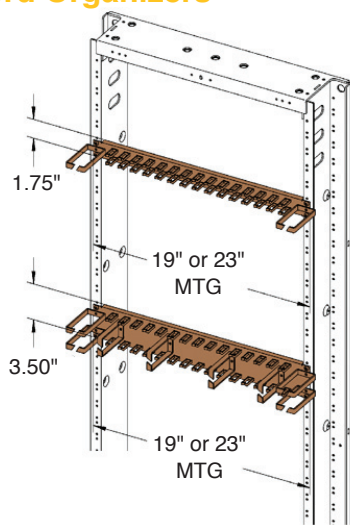


### Features

- Mounts over standard rack mounting units to provide a convenient place to drape test leads when not in use
- Includes mounting hardware
- Made of .1875" x .5" steel

| Description         | Part Number |
|---------------------|-------------|
| Universal cord hook | 02180-01    |

## Patch Cord Organizers



### Features

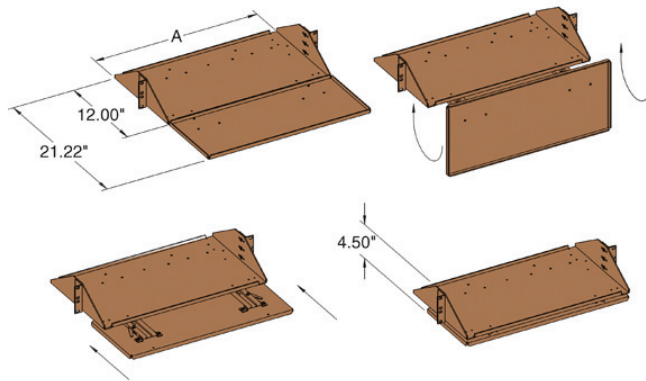
- Organizes cable routings in defined horizontal and vertical paths in a rack
- Wire saddle inside dimension is .43" W x 1.07" H
- Cable ring inside dimension is 1.75" W x 3.75" H
- Includes mounting hardware
- Bar made of steel, wire saddles made of nylon

| Height | For 19" Racks | For 23" Racks |
|--------|---------------|---------------|
| 1 RU   | 02350-01      | 02350-02      |
| 2 RU   | 02350-11      | 02350-12      |



# Universal Rack Accessories

## VDU Shelf with Sliding Keyboard Tray

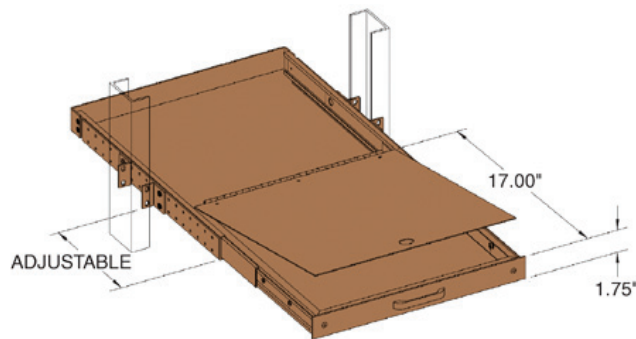


### Features

- Supports a VDU and standard keyboard
- Suggested maximum load: 200 lbs.
- For 23" mounting only
- Includes 12-24 mounting screws
- -02 includes a remote switch and 115 VAC six-position surge protector that mounts to the back of the keyboard support frame
- Made of 11-gauge steel

| Description                       | Part Number |
|-----------------------------------|-------------|
| Standard shelf, 23" mounting      | 37353-01    |
| Shelf with AC strip, 23" mounting | 37353-02    |

## Storage Trays with Slide-Out

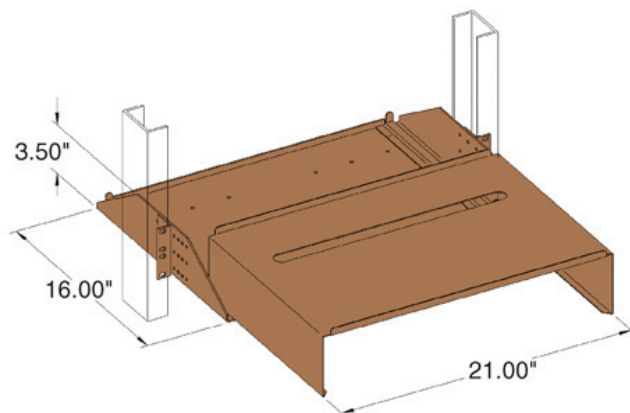


### Features

- Provides a writing surface and storage compartment; mounts flush and rolls out for use
- Writing shelf locks in its fully extended position and releases with the press of a button
- Maximum load: 85 lbs. when extended
- Includes 12-24 mounting screws
- Top and chassis material: steel; front panel: brushed aluminum

| Description        | Part Number |
|--------------------|-------------|
| Tray for 19" racks | 02183-01    |
| Tray for 23" racks | 02183-02    |

## Slide-Out Printer Shelf



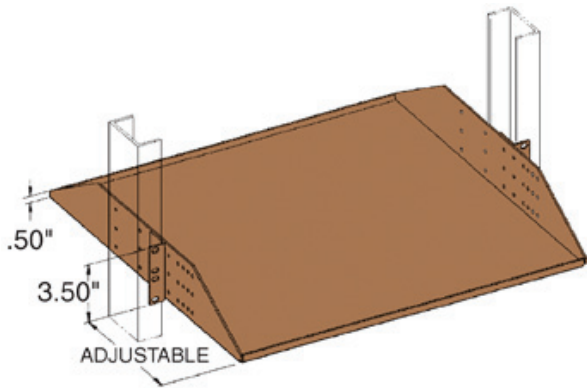
### Features

- Printer support slides out to help paper loading
- Paper may be fed over the back edge or through the middle of the shelf
- For 23" mounting only
- Includes 12-24 mounting screws
- Suggested maximum printer load: 30 lbs.
- Shelf material: 11-gauge steel; printer support: .063" aluminum

| Description         | Part Number |
|---------------------|-------------|
| Shelf for 23" racks | 37354-01    |

# Universal Rack Accessories

## Adjustable-Mount Equipment Trays

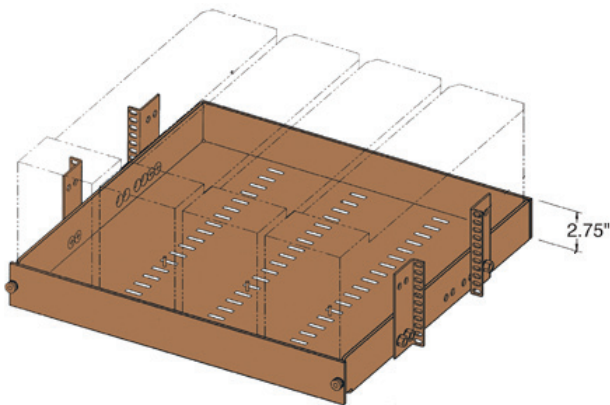


### Features

- Supports portable equipment in a rack
- Suggested maximum load: 200 lbs.
- Occupies two 1.75" RU
- Includes 12-24 mounting screws
- Made of 11-gauge steel

| Tray Depth | For 19" Racks | For 23" Racks |
|------------|---------------|---------------|
| 12"        | 02157-01      | 02157-05      |
| 14"        | 02157-13      | 02157-14      |
| 16"        | 02157-02      | 02157-06      |
| 20"        | 02157-03      | 02157-07      |
| 24"        | 02157-04      | 02157-08      |
| 26"        | 02157-11      | 02157-12      |

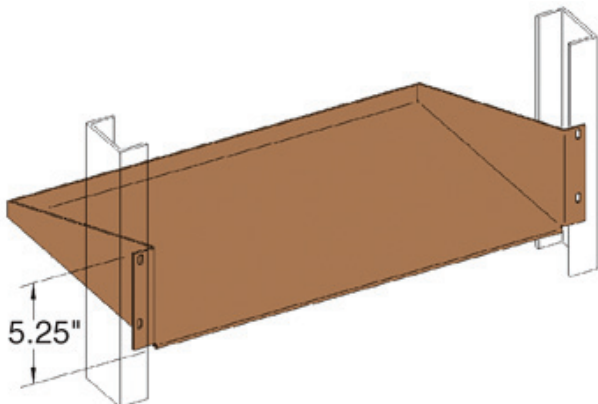
## Medium-Duty Battery Trays



### Features

| Description      | Tray Depth | Part Number |
|------------------|------------|-------------|
| 19" battery tray | 21.3"      | 1SBTM-213W  |
| 23" battery tray | 21.3"      | 0SBTM-213W  |

## Front-Mount Equipment Trays

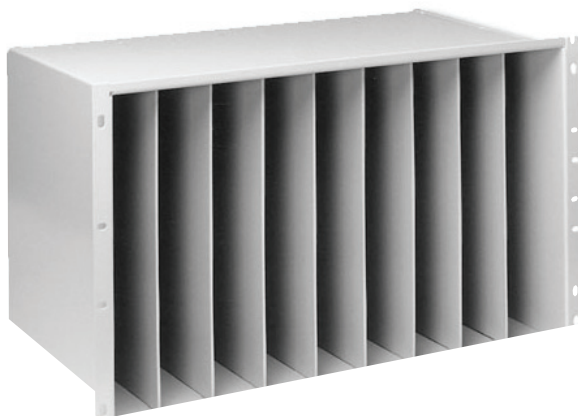


### Features

| Tray Depth | For 19" Racks | For 23" Racks |
|------------|---------------|---------------|
| 10"        | 02169-07      | 02169-08      |
| 15"        | 02169-03      | 02169-04      |
| 17.5"      | 02169-05      | 02169-06      |
| 18"        | 02169-09      | 02169-10      |
| 22"        | 02169-11      | 02169-12      |

# Universal Rack Accessories

## Bookshelves



### Features

- Stores books up to 12.875" tall
- Lift-out dividers adjust to accommodate books of various widths
- Available for 19" and 23" racks
- Dimensions: 14" H x 12" D
- Includes 12-24 mounting screws
- Made of .125" 5052-H32 aluminum

| Description           | Part Number |
|-----------------------|-------------|
| 19" front-mount shelf | 02179-01    |
| 23" front-mount shelf | 02179-02    |

## Air/Heat Deflectors

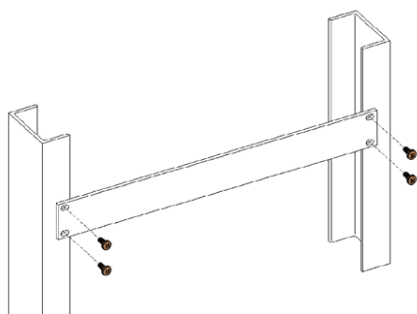


### Features

- Disperses warm air from heat-producing components away from other heat-sensitive equipment
- Mounting brackets adjust for flush or stand-off mounting in .50" increments; front face can be positioned from 2" in front to 3" behind mounting flange
- Occupies one 1.75" RU
- Includes 12-24 mounting screws
- Made of 14-gauge steel with perforated front grill

| Description             | Part Number |
|-------------------------|-------------|
| Deflector for 19" racks | 02164-01    |
| Deflector for 23" racks | 02164-02    |

## Mounting Screws



### Features

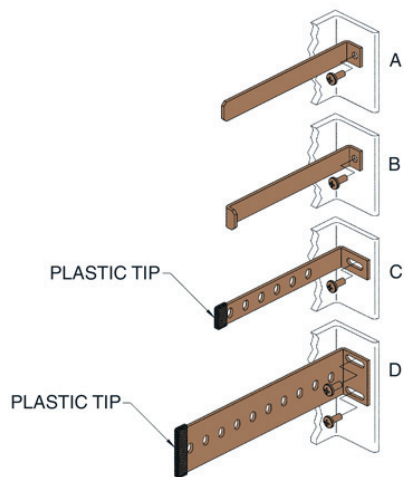
- Each kit includes 12-24 x .5" self-tapping screws for mounting equipment panels to racks
- Made of steel

| Description       | Part Number  |
|-------------------|--------------|
| Set of 50 screws  | 02103-01-50  |
| Set of 100 screws | 02103-01-100 |

| Description                                                                                                | Part Number |
|------------------------------------------------------------------------------------------------------------|-------------|
| Black zinc mounting screw kit, 12-24x1/2", phillips pan head, pilot point, thread cutting, 450 count       | 04500-450   |
| Black zinc mounting screw kit, 12-24x5/8" combo pan head, pilot point, thread cutting, 450 count 850 count | 04500-850   |

# Universal Rack Accessories

## Cable Tie Brackets – Metal

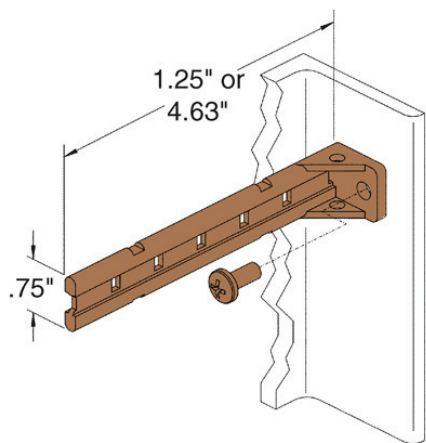


## Features

- Mounts on the rear of channel or angle racks to tie down vertical cable runs
- Available in four different styles
- Made of steel

| Bracket Length | Style | Part Number |
|----------------|-------|-------------|
| 6"             | A     | 02106-01    |
| 7.25"          | A     | 02106-05    |
| 6"             | B     | 02106-03    |
| 8"             | B     | 02106-07    |
| 4.5"           | C     | 02106-08    |
| 6"             | C     | 02106-06    |
| 8"             | D     | 02106-09    |

## Cable Tie Brackets – Nylon



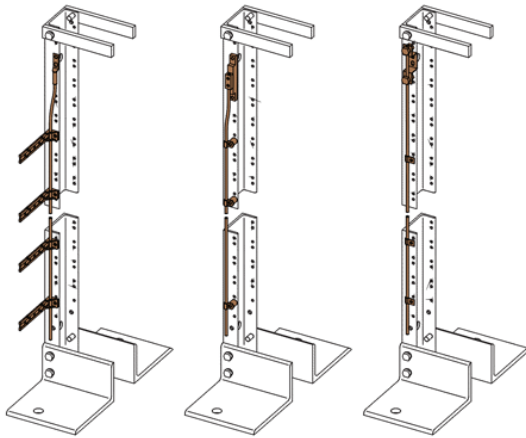
## Features

- Mounts on the rear of channel or angle racks to tie down vertical cable runs
- Made of UL 94V-0 flammability rated nylon

| Length | Quantity | Part Number  |
|--------|----------|--------------|
| 4.625" | 10       | 02107-01-10  |
| 4.625" | 100      | 02107-01-100 |
| 1.25"  | 10       | 02107-02-10  |
| 1.25"  | 100      | 02107-02-100 |

# Universal Rack Accessories

## Vertical Ground Kits

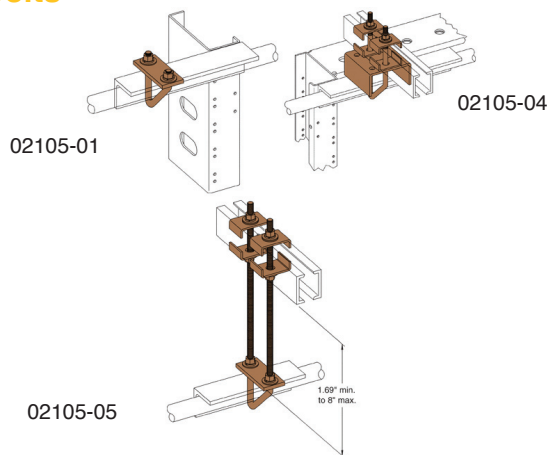


## Features

- All assemblies include #6 AWG tinned copper wire
- Assemblies -01 and -02 include soldered lug, nylon cable tie brackets and mounting screws
- Isolated assemblies -03 and -04 include 2-way connectors, mounting block, nylon stand-off, cable clamps and mounting screws
- Ground assembly -12 includes mounting bracket with 2-point clamp, nuts and bolts

| Type                           | Rack Height | Part Number |
|--------------------------------|-------------|-------------|
| Non-isolated, #6 AWG lug       | Up to 9'    | 02133-02    |
| Non-isolated, #6 AWG lug       | Up to 12'   | 02133-02    |
| Non-isolated, #6 AWG clamp     | Up to 12'   | 02133-12    |
| Isolated, #4-#16 AWG connector | Up to 9'    | 02133-03    |
| Isolated, #4-#16 AWG connector | Up to 12'   | 02133-04    |

## V-Bolts

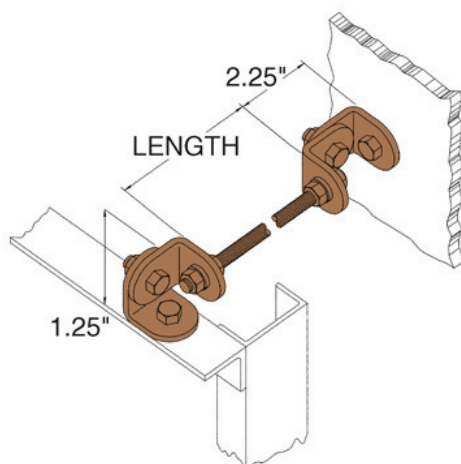


## Features

- Anchor the top rack angle to a variety of superstructure components
- Used with a 1" pipe
- 02105-05 bolts are fully threaded
- Includes mounting hardware

| Type                           | Part Number |
|--------------------------------|-------------|
| Kit for 1.5" angle             | 02105-01    |
| Kit for 2" angle               | 02105-02    |
| Double V-bolt for 2" angle     | 02105-03    |
| Auxiliary frame with 2" spacer | 02105-04    |
| Adjustable frame support       | 02105-05    |

## Adjustable Wall Supports



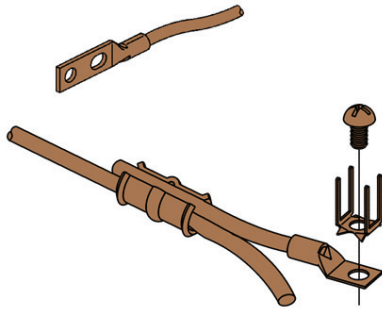
## Features

- Adjustable supports provide a top support for a rack when conventional means are not available
- Used with .625"-11 threaded rod to provide support at odd angles
- Includes mounting hardware: four angle brackets, four assembly and mounting bolts, nuts and lock washers, threaded rod and nuts
- Made of .25" steel

| Length | Part Number |
|--------|-------------|
| 24"    | 01050-10    |
| 36"    | 01050-07    |
| 48"    | 01050-08    |

# Universal Rack Accessories

## Grounding Kits

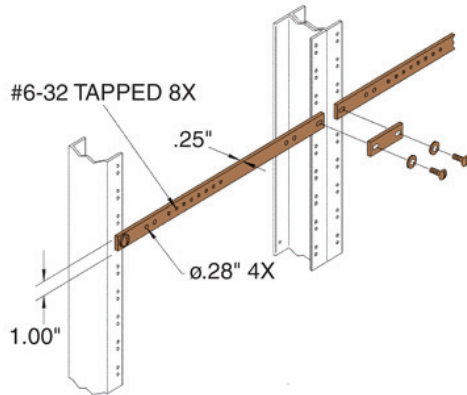


### Features

- Provide a means to ground a bay to a common system or to splice systems together
- Includes #6 AWG uninsulated copper wire with solder lug and mounting screws
- Made of copper

| Type                    | Part Number |
|-------------------------|-------------|
| 4 each with 10' of wire | 02133-15    |
| 6 each with 15' of wire | 02133-16    |
| #6 AWG lug only         | 02133-07    |

## Horizontal Ground Bars

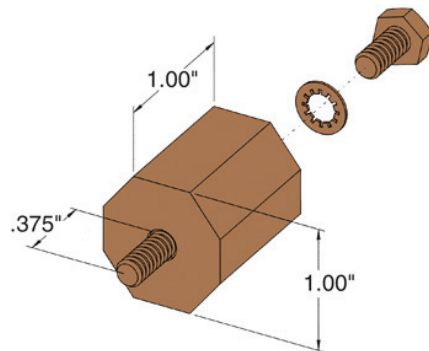


### Features

- Mounting screws and splice plate included with each ground kit
- Assemblies -10 and -11 supplied with solder tabs and eight #6-32 AWG tapped holes
- Made of copper; -01 and -02: .187" x .75"; -10 and -11: .25" x 1"

| Type                         | For 19" Racks | For 23" Racks |
|------------------------------|---------------|---------------|
| Without solder tabs or holes | 02114-01      | 02114-02      |
| With solder tabs and holes   | 02114-10      | 02114-11      |
| Diagonally spaced holes      | 02114-T19     | 02114-T23     |

## Isolated Hex Stand-off for Ground Bars

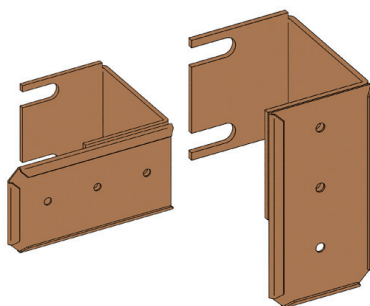


### Features

- Provides electrical isolation of ground bar from rack
- Molded hexagon stand-off is 1" long x 1" across flats
- Includes 12-24 UNC x .375" long external stud; 1/4"-20 UNC x .375" deep internal thread; 1/4"-20 x .5" long hex head; bolt washer
- Order two 04154-02 to mount each ground bar
- Made of red UL-approved, flame retardant, fiberglass-reinforced, polyester compound

| Description      | Part Number |
|------------------|-------------|
| Single stand-off | 04154-02    |

## Designation Strips



### Features

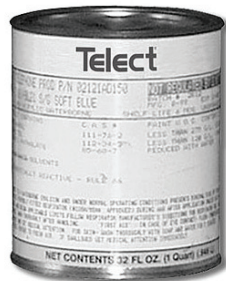
- Hold a listing of up to 40 fuse locations
- Includes all necessary mounting hardware

| Description               | Part Number |
|---------------------------|-------------|
| Horizontal mounting strip | 02170-01    |
| Vertical mounting strip   | 02170-02    |



# Universal Rack Accessories

## Touch-Up Paints

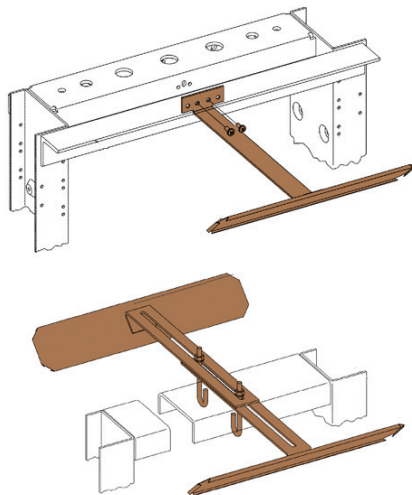


## Features

- Latex-based
- 32 oz. (1 quart) can

| Color          | Part Number |
|----------------|-------------|
| Telephone gray | 02121-3115  |
| C.O. white     | 02121-3144  |
| Network blue   | 02121-3150  |
| Putty white    | 02121-3151  |

## Designation Card Holders

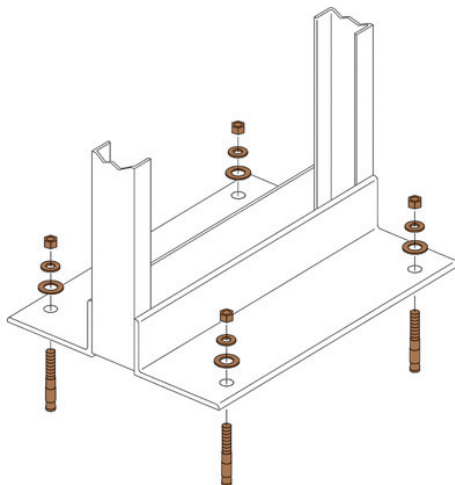


## Features

- Mounts on racks to identify the rack system
- Available as a single fixed card or as a double card with adjustable mounting
- Card holders are 13" wide
- Includes card clip, mounting brackets and all necessary mounting hardware
- Made of 11-gauge steel

| Description                        | Part Number |
|------------------------------------|-------------|
| Single, fixed mounting, 2"         | 02170-05    |
| Single, fixed mounting, 5"         | 02170-06    |
| Single, fixed mounting, 12"        | 02170-03    |
| Double, adjustable mounting, 7"-9" | 02170-04    |

## Anchor Kit



## Features

- Secures channel racks to concrete or wooden floors
- Expansion bolts may be mounted by drilling .375" holes using the base angle as a template
- Includes 1/2" steel flat washer, four 3/8-16 x 3" wedge anchors and four 3/8" x 1.500 LG, zinc-coated steel lag screws

| Description | Part Number |
|-------------|-------------|
| Anchor kit  | 02100-01    |

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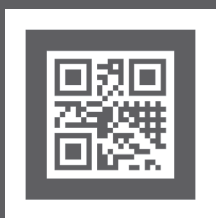
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