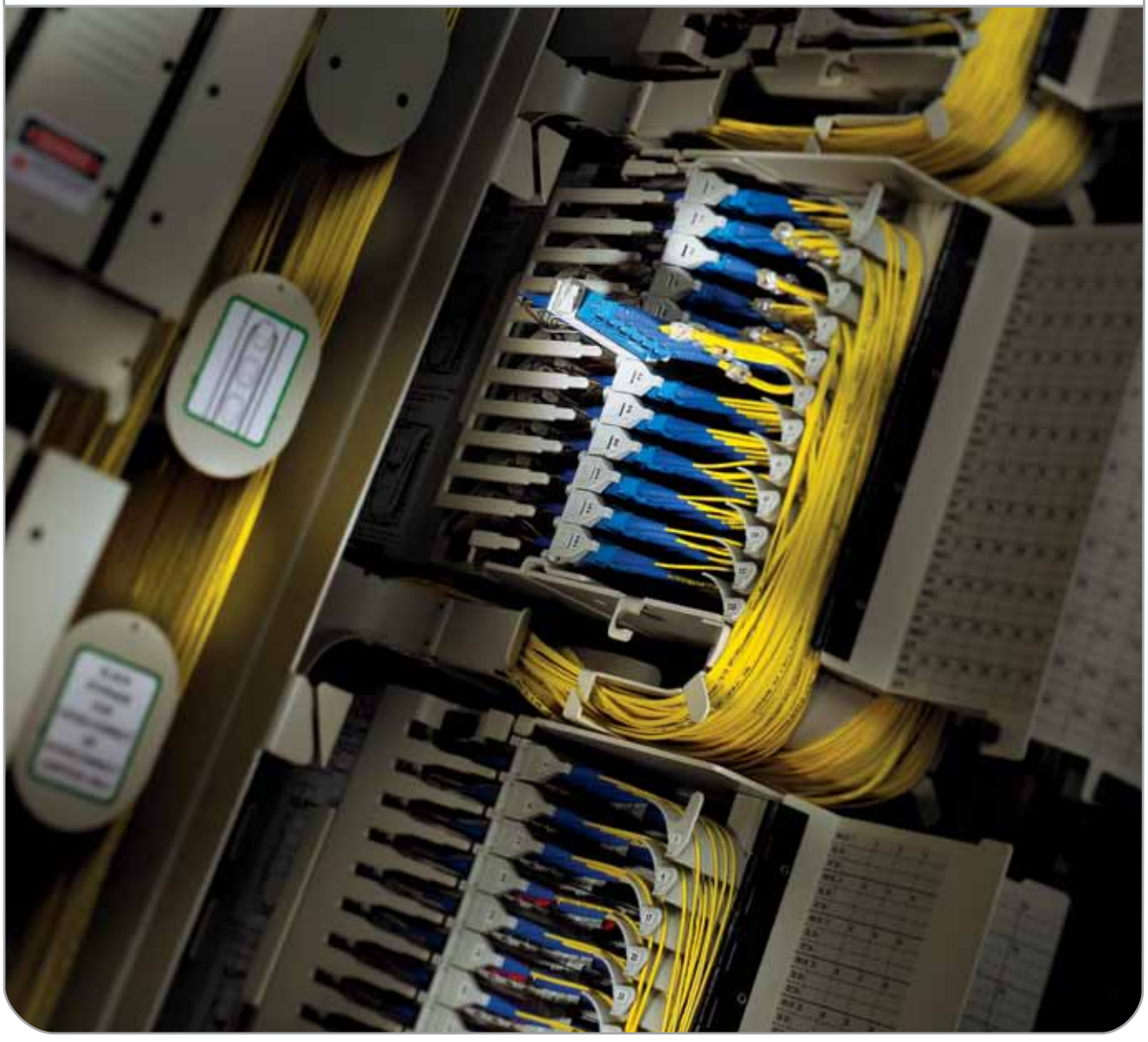
ADC is now
Tyco Electronics

Optical Distribution Frames



3rd Edition

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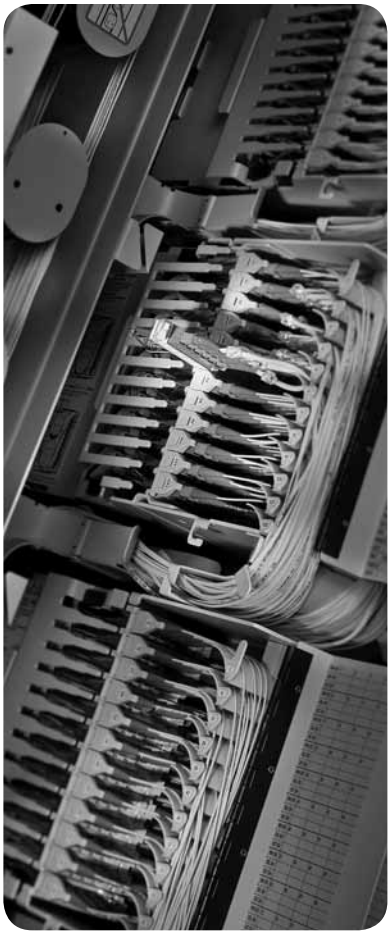
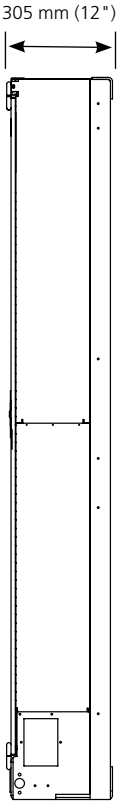


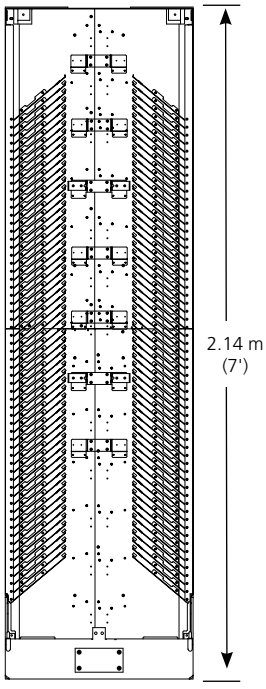
OMX600® Optical Distribution Frame

Fiber Splice Cabinets

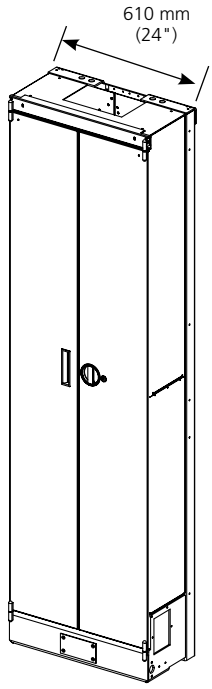
The OMX600® splice cabinet is a zone 4 rated, high-density splice solution, housing 1,440 stranded fiber splices and up to 2880 ribbon fibersplices within a 23.6- by 11.8-inch footprint. Shipped complete with the necessary cable management, it features slots which secure and protect the round splice trays and can hold up to sixty 12-fiber splice trays on each vertical. The cabinet is shipped with lockable front doors and may be ordered for applications in which the cables enter from above or below.



Side View



Front View



Front ISO View

OSP Cable Count	Splice Capacity Ribbon
(20) 144 OSP Cables	2,880
(10) 288 OSP Cables	2,880
(6) 432 OSP Cabes	2,592
(6) 432 OSP Cables (2) 144 OSP Cables	2,880
(4) 576 OSP Cables	2,304
(4) 576 OSP Cables (2) 288 OSP Cables	2,880
(2) 864 OSP Cables	1,728
(2) 864 OSP Cables (2) 432 OSP Cables	2,592
(2) 864 OSP Cables (2) 576 OSP Cables	2,880
(2) 864 OSP Cables (2) 432 OSP Cables (2) 144 OSP Cables	2,880

The capacities above are based on 24 splices per round splice tray.

Ordering Information

Description	Dimensions (HxWxD)	Catalog Number
Fully configured splice cabinet* (see above for ribbon splice capacity matrix) Stranded Splice Capacity = 1440 Fibers Ribbon Splice Capacity = 2880 Fibers		
Cable enters from underfloor	2.14 m x 610 mm x 305 mm (7' x 24" x 12")	MX6-SPL6030-A-D7Z4
Cable enters from top		MX6-SPL6030-A-U7Z4
Splice cabinet cable clamps for		
OSP cable		FEC-ACCCLMP01
IFC cable		MX6-SPLIFCCLMP
Isolation Pad for Splice Cabinet. A template for cabinet installation providing isolation between the cabinet and the ground	–	MX6-BAYTEMPLATE

[4] See page 89 for splice tray ordering information.

*See pages 94-98 for ribbon fiber breakout kit ordering information.

OMX600® Optical Distribution Frame

Frame Accessories

Frame Installation Kit

Frame installation kits may be used on network frames and are seismic zone 4 rated.

Ordering Information

Description	Catalog Number
Concrete floor frame installation kit, includes: (2) M8 bolts, 90 mm (3.5") (4) M8 nuts (8) flat washers (4) lock washers shims and anchor plates	RAC-MX0616
Raised floor frame installation kit, includes: (4) threaded rods M12 x 1 m (3.28") (12) heavy nuts, lock and flat washers (4) nuts with springs, M12 (2) 1.8 m (5.9") unistrut (1) anchor kit	RAC-MX0615

Splice Tray

The round splice tray used in the OMX600® simplifies installation and maintenance. The tray stores up to 9.8-feet of slack allowing the installer to roll the tray away from the frame to perform splicing.

Catalog Number

FST-DRS __ __ - __ __

Drawer Capacity

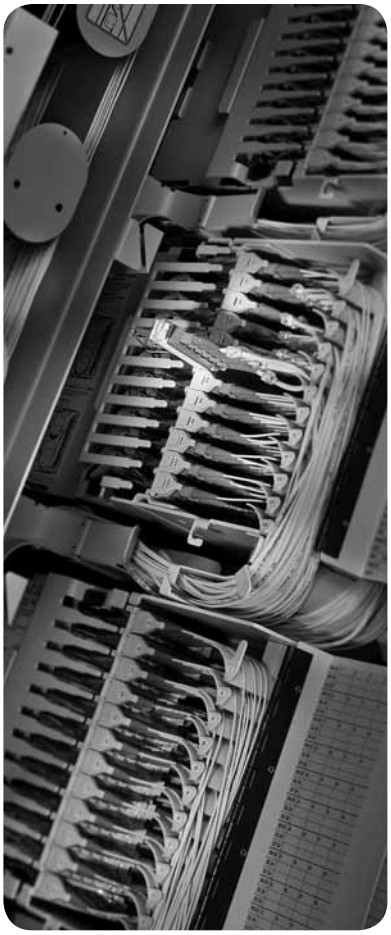
12
16
24
32[1]

Splice Type

00	Empty
FT	Bare fusion
HS	Heat shrink (single fiber fusion)
MT	Mechanical (mass fusion)

[1]For 8-fiber ribbon only

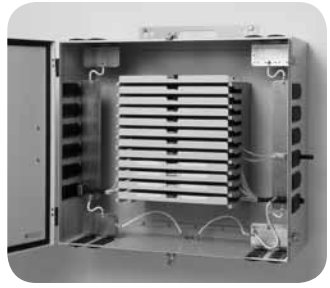
Splice Enclosure Solutions



Fiber Entrance Cabinet

Fiber Entrance Cabinet

Introduction



ADC's fiber entrance cabinet (FEC) provides splicing, administration and storage for outside plant (OSP) and intrafacility cables (IFC). The cabinets are designed for deployment in a building equipment area. The FEC offers a cost-effective, space-saving alternative to splicing on the fiber frame.

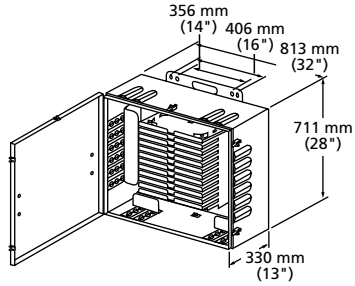
Equipped with splice drawers and available in several configurations, the FEC's largest configuration accommodates up to 864 stranded fibers or 2,592 ribbon fibers, with each splice drawer supporting 24 stranded fibers or 72 ribbon fibers. Bend radius protection and discrete subunit routing paths ensure easy access and prevent excess attenuation.

This cabinet accommodates a wide variety of cable types and splicing methods.

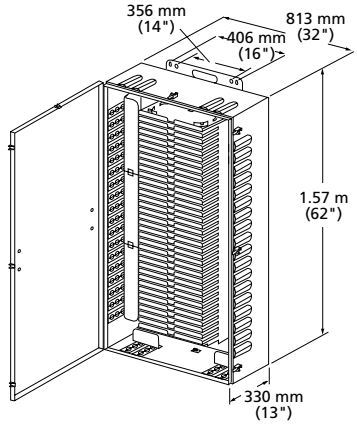
Product Overview

Recommended applications	Off-frame splice location for outiside plant (OSP) cables to be spliced to intrafacility (IFC) cable
Description	Accommodates multiple fiber splicing requirements with various cabinet sizes
Cable management	Superior
Routing paths	Clear
Physical protection	Robust
Access splice point	Easy

Cabinet Solutions



288-Position
- Equipped with 12 drawers
- 288 stranded fiber capacity
- 864 ribbon fiber capacity



864-Position
- Equipped with 36 drawers
- 864 stranded fiber capacity
- 2,592 ribbon fiber capacity

Ordering Information

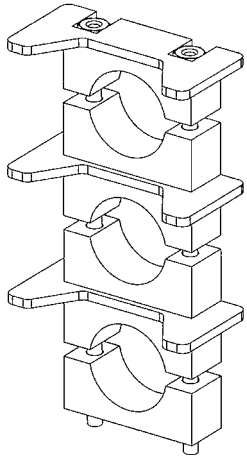
Cabinet Size		Number of Drawers included with Cabinet	Weight	Dimensions (HxWxD)	Catalog Number
Stranded Fibers	Ribbon Fibers				
288	864	12	80 lbs (36.3 kg)	711 mm x 813 mm x 330 mm (28" x 32" x 13")	FEC-288
864	2,592	36	160 lbs (72.6 kg)	1.57 m x 813 mm x 330 mm (62" x 32" x 13")	FEC-864

Fiber Entrance Cabinet
Accessories

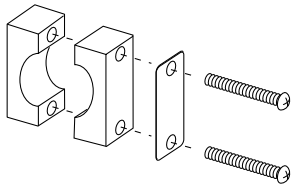
Cable Clamping Kit

Ordering Information

Description	Catalog Number
IFC/OSP cable clamp kit for wall mount configurations. Secure three cables to a single cable entry point on the cabinet. Clamp kits can be separated and used as single clamps.	
Cables with a maximum diameter of 10 mm (0.4") to 30 mm (1.2")	OSP-CLPFEC-LG
Cables with a maximum diameter of 5 mm (0.2") to 18 mm (0.7")	OSP-CLPFEC
Individual IFC/OSP cable clamp for wall mount configurations. Secure one cable to a single cable entry point on the cabinet.	
Cables with a maximum diameter of 5 mm (0.2") to 18 mm (0.7")	OSP-CLPSST
Individual IFC/OSP cable clamp for rack or wall mount configurations. Secure one cable to a single cable entry point on the cabinet.	
Cables with a maximum diameter of 10 mm (0.4") to 30 mm (1.2")	FEC-ACCCLMP01
Individual soft IFC only cable clamp for wall mount configurations. Secure one cable to a single cable entry point on the cabinet.	
Cables with a maximum diameter of 20 mm (0.8") to 28 mm (1.1")	OSP-CLPSST-IFCL
Cables with a maximum diameter of 5 mm (0.2") to 18 mm (0.7")	OSP-CLPSST-IFCS



IFC/OSP Cable Clamp Kit
(OSP-CLPFEC-LG Shown)



Individual IFC/OSP Cable Clamp
(OSP-CLPSST Shown)

Splice Tray

Standard-style FEC cabinets will accept two single trays or one dual tray per drawer. 24 stranded fibers maximum per drawer, 72 ribbon fibers maximum per drawer.

Ordering Information

Description	Catalog Number		
Standard Splice Trays	**Single Tray (12-position)** 9 mm x 299 mm x 127 mm (0.3" x 11.75" x 5")	**Dual Tray (24-position)** 14 mm x 299 mm x 127 mm (0.5" x 11.75" x 5")	**Splice Sleeve Protector**
Mass fusion ribbon	N/A	FST-D-MT	FST-ACC006
Heat shrink (single fiber fusion)	FST-HS	FST-D-HS	FST-ACC001
Bare fiber	FST-FT	FST-D-FT	FST-ACC001
Mechanical	FST-MT	FST-D-MT	FST-ACC006

Breakout Kit for Ribbon in Loose Buffer Tube (RLBT) OSP Cable

Ribbon in loose buffer tube OSP cables are constructed as shown in Figure 1. All RLBT cables feature six subunits surrounding a central strength member. Depending on the fiber count of the cable, some of the subunits may be used as filler subunits (a solid plastic unit without any fiber). Each subunit containing fiber is comprised of six or twelve ribbons featuring 12 fibers per ribbon.

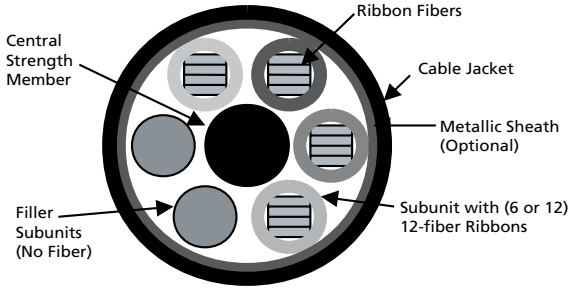


Figure 1
Ribbon buffer tube (RLBT) OSP cable

Breakout kits for RLBT cables contain multiple breakout bases, each with 5-meter lengths of protective tubing (see Figure 2). The protective tubing accommodates up to six ribbons. One breakout kit fits into each individual subunit. For mass fusion ribbon splicing applications in the FEC, ADC recommends splicing up to 72 fibers (six ribbons) in a dual splice tray. The tray should be equipped with an "MT" splice chip (see page 93 for information on mechanical or mass fusion ribbon trays). For single fusion splicing applications, ADC recommends 24 fibers per drawer using either two single trays or one dual tray. This kit is used to protect fiber ribbons between the cable clamp and the splice tray.

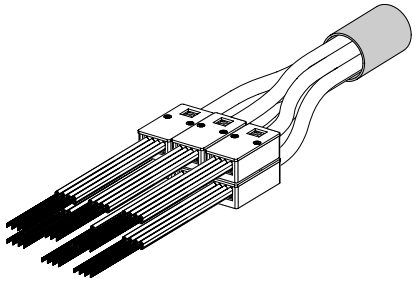


Figure 2
Breakout kit for RLBT OSP Cable

Breakout kits are designed for use in controlled environments only.

Catalog Number

BLK-RLBT-A ____ ____ ____ ____ **0**

Number of Protective Tubes Per Subunit[1]

01
02
03
04
05
06

Number of Subunits Containing Fiber

01
02
03
04
05
06

1-6 ribbons may be placed in each protective tube
Protective tubing length = 5 meters

[1] **The number of protective tubes per subunit is calculated as follows:**
Divide the number of fibers per subunit (typically 72 or 144) by the number of fibers (12, 24, 36, 48, 72) to be spliced in each splice tray.

Example: If each subunit has 144 fibers with 36 fibers per tray, then each subunit would require four protective tubes.

To order protective tubing cutting tool, see page 99. For installation instructions, refer to user manual ADCP-93-305.

Other configurations are available upon request. Please contact ADC Technical Assistance Center.

Breakout Kit for Ribbon Central Tube (RCT) OSP Cable

Ribbon central tube OSP cables are constructed as shown in Figure 1. The ribbons in RCT cables feature 12 or 24 fibers per ribbon. Cables with 288 or more fibers are typically built with ribbons featuring 24 fibers per ribbon. Each cable consists of a single central tube that encloses the ribbons.

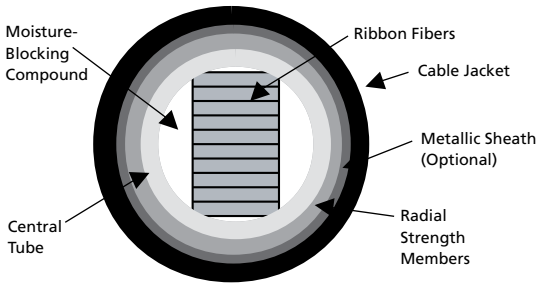


Figure 1
Ribbon central tube (RCT) OSP cable construction

Breakout kits for RCT cables contain a single breakout base attached to the central tube. Protective tubing is attached to the breakout base in 5-meter lengths (see Figure 2). Smaller protective tubing can accommodate up to six ribbons featuring 12 fibers per ribbon. Larger tubing is used for ribbons with 24 fibers per ribbon.

For mass fusion ribbon splicing in the FEC, ADC recommends splicing 72 fibers per drawer. For ribbon featuring 12 fibers per ribbon, six ribbons would be spliced in each drawer. For ribbon featuring 24 fibers per ribbon, three ribbons would be spliced in each drawer. An "MT" chip (see page 93 for information on mechanical or mass fusion ribbon trays) is required for mass fusion ribbon splicing in a dual splice tray.

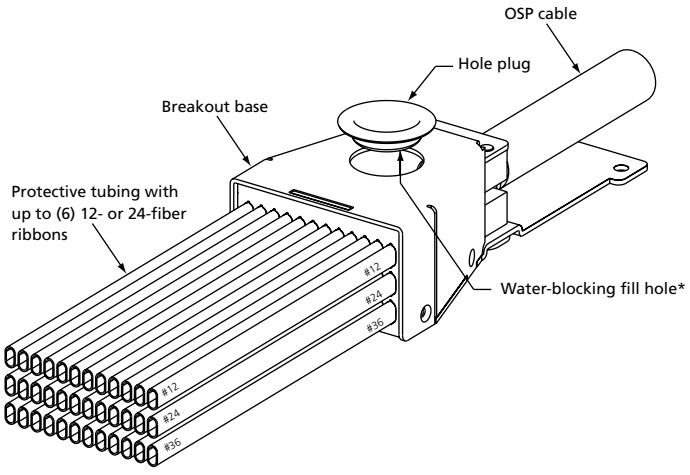


Figure 2
Breakout kit for RCT cable

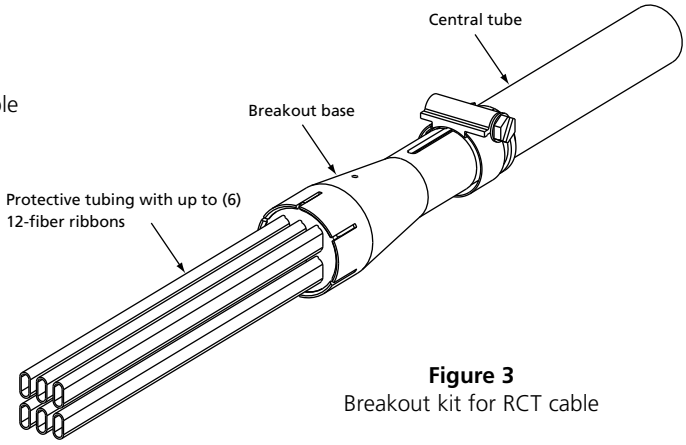


Figure 3
Breakout kit for RCT cable

*See page 100 to order the moisture blocking kit.

RCT Breakout Kit Typical Configurations

432- and 864-fiber ribbon in central tube (RCT) OSP cables featuring 24 fibers per ribbon are common. The table below shows the number of protective tubes per breakout base required for 432- and 864-fiber cables based on the number of fibers per tray. This kit is used to protect fiber ribbons between the cable clamp and splice tray.

Number of Fibers per Tray	Number of Ribbons per Protective Tube	432-Fiber Central Tube OSP Cable, 24-Fiber Ribbon	864-Fiber Central Tube OSP Cable, 24-Fiber Ribbon
24	1	18	36
48	2	9	18
72	3	6	12
96	4	N/A	9
144	6	3	6

Breakout kits with 36 protective tubes use a large breakout base, kits with 9–18 protective tubes use a medium breakout base and kits with 6 protective tubes use a small breakout base.

Catalog Number

BLK-RCT - ___ ___ ___ 0

Ribbon Type

A	< /= 12-fiber
B	24-fiber

Number of Protective Tubes per Breakout Base[1]

Refer to Figure 3 (p 95) for kit style

01
02
03
04
05
06
09
12

Refer to Figure 2 (p 95) for kit style

16
18
24
36

Central Tube Outside Diameter

		Fiber Count	Number of Fibers per Ribbon
B	5 mm – 8 mm (0.2" – 0.33")	12-96	12
C	8 mm – 11 mm (0.33" – 0.43")	108-216	12
D	11 mm – 15 mm (0.43" – 0.6")	240-432	24
E	15 mm – 20 mm (0.6" – 0.8")	576, 720, 864	24, 36

[1] 1-6 ribbons may be placed in each protective tube with either 12 or 24 fibers per ribbon
Protective tubing length = 5 meters

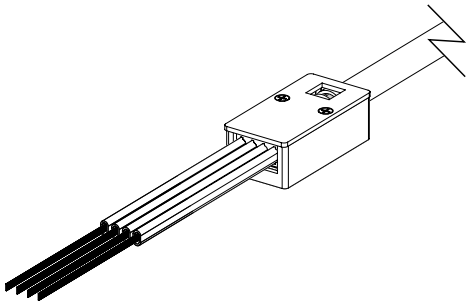
[1] The number of protective tubes per central tube is calculated as follows:
Divide the number of fibers per central tube (typically between 144 and 864) by the number of fibers (12, 24, 36, 48, 72) to be spliced in each splice tray.

Example: If the central tube has 864 fibers with 36 fibers per splice tray, then the breakout base would require 24 protective tubes.

To order protective tubing cutting tool, see page 99.
For installation instructions, refer to user manual ADCP-93-305. Page 12, figure 10.

Other configurations are available upon request. Please contact ADC Technical Assistance Center.

Breakout Kit for Intrafacility (IFC) Ribbon Cables



Breakout Kit for IFC Ribbon Cables

ADC's ribbon IFC cables have a central tube construction. The ribbons in IFC cables feature 12 fibers per ribbon. A central tube encloses the ribbons and features fiber counts ranging from 24 fibers to 216 fibers. Central tubes with 72, 96, 144 and 216 fibers are most common. IFC ribbon cables are used in off-frame splicing applications where mass fusion ribbon splicing is used.

Breakout kits for these cables can be configured from the information listed on pages 97-98. The breakout kits for IFC cables contain a single breakout base attached to the central tube. Protective tubing is attached to the breakout base in 5-meter lengths and can accommodate up to six ribbons featuring 12 fibers per ribbon.

For mass fusion ribbon splicing in the FEC, ADC recommends splicing 72 fibers per drawer. For ribbon featuring 12 fibers per ribbon, six ribbons would be spliced in each drawer. For ribbon featuring 24 fibers per ribbon, three ribbons would be spliced in each drawer. An "MT" chip (see page 93 for information on mechanical or mass fusion ribbon trays) is required for mass fusion ribbon splicing in a dual splice tray.

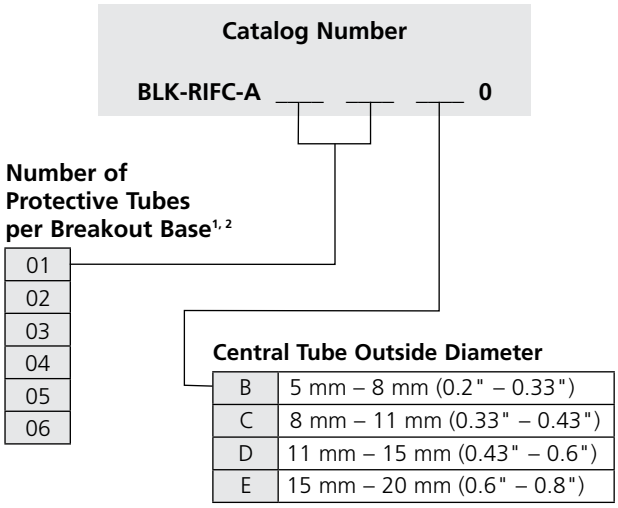
The breakout kits for 72, 96, 144, 216 and 432 fiber IFC cables are shown in the table below. This kit is used to protect fiber ribbons between the cable clamp and the splice tray.

Ordering Information

IFC Cable Fiber Count	Number of Fibers per Tray	Catalog Number
72	36	BLK-RIFC-A02B0
72	72	BLK-RIFC-A01B0
96	48	BLK-RIFC-A02B0
144	36	BLK-RIFC-A04C0
144	72	BLK-RIFC-A02C0
216	36	BLK-RIFC-A06C0
216	72	BLK-RIFC-A03C0
432	72	BLK-RIFC-A06E0

IFC Breakout Kit Typical Configurations

When splicing IFC ribbon cables in the FEC cabinet, ADC recommends 72 fibers per drawer. Fewer splices can be used, but the FEC easily accommodates 72 fibers per drawer in mass fusion ribbon splicing applications.



[1] 1–6 ribbons may be placed in each protective tube ADC recommends 6 ribbon units (72 fibers) per tube. Protective tubing length = 5 meters

[2] **The number of protective tubes per central tube is calculated as follows:**
Divide the number of fibers per central tube (typically between 72 and 216) by the number of fibers (12, 24, 36, 48, 72) to be spliced in each splice tray.

Example: If the central tube has 144 fibers with 36 fibers per splice tray, then the breakout base would require four protective tubes.

To order protective tubing cutting tool, see page 99. For installation instructions, refer to user manual ADCP-93-305.

Other configurations are available upon request. Please contact ADC Technical Assistance Center.

Fiber Entrance Cabinet
Accessories

Protective Tubing Cutting Tool

The protective tubing cutting tool is used to score the protective tubing so the tubing can be cut to the appropriate lengths for the final installation.

Ordering Information

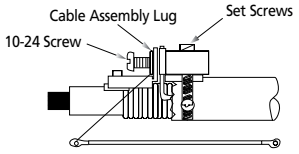
Description	Catalog Number
Protective tubing cutting tool	BLK-BK0TUB

Grounding Kit

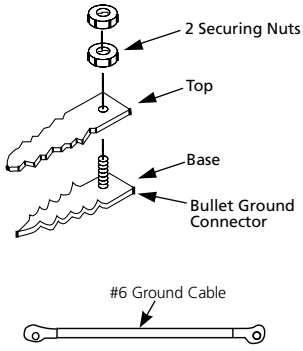
Kit used to ground armored fiber cable.

Ordering Information

Description	Catalog Number
Grounding kit for Armored OSP cable Includes: One cable assembly lug type ground kit One #6 ground cable 229 mm (9") long	GAK-FEC001
Any armored loose tube or buffer tubed fiber OSP cable Includes: One bullet ground connector One #6 ground cable 127 mm (5") long	GND-STPKIT
Frame mount configuration Any armored loose tube or buffer tubed OSP cable Includes: One bullet ground connector One #6 ground cable 305 mm (12") long	FEC-ACCGND02



Grounding Kit (GAK-FEC001 Shown)

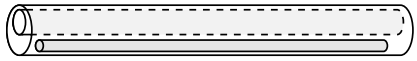


Grounding Kit (GND-STPKIT Shown)

Fiber Entrance Cabinet
Accessories

Splice Protector Sleeve

The splice protector sleeve is constructed to protect a splice post fusion. It is made from heat shrinkable material and contains a built-in strength member for physical protection of the fusion splice. The splice protector sleeve is placed on the fiber before making a splice, moved over the splice when the splice fusion is complete and shrunk into place. They are available in either single fiber or mass fusion sleeves.



Splice Protector Sleeve
(FST-ACC001 Shown)

Ordering Information

Description	Catalog Number
Splice protector sleeve for	
Single fiber – single fusion; 60 mm (2.4") length, 1 each	FST-ACC001
Single fiber – single fusion; 40 mm (1.6") length, 1 each	FST-ACC005
12-fiber – mass fusion – heat shrink; 40 mm (1.6") length, 1 each	FST-ACC006

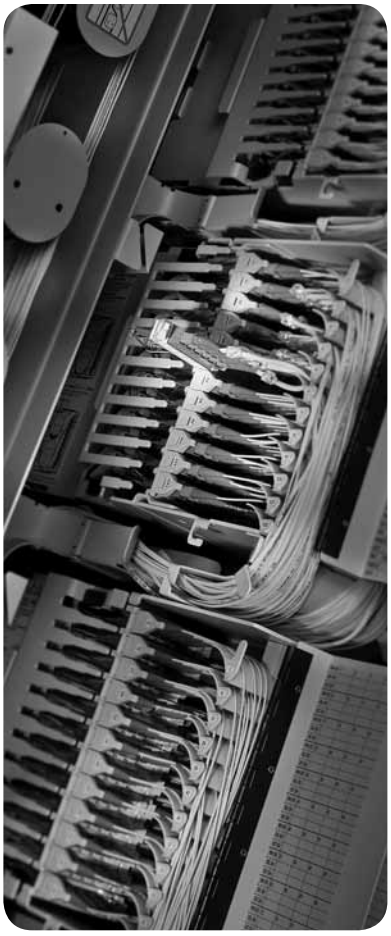
Grounding/Moisture Blocking Kits

Kit used to properly block gel filled stranded and ribbon cables.

Ordering Information

Description	Catalog Number
Grounding/Moisture blocking kit; Includes components for grounding and blocking gel filled fiber cables: blocking gel, heat shrink and grounding accessories	FBK-0SP002
Moisture blocking kit; Includes components for blocking gel filled fiber cables: syringe, blocking gel	BLK-MSTRKIT

Cable Assembly Solutions



Fiber Cable Assemblies and Accessories

Introduction

Comprehensive Product Line

ADC produces a wide variety of fiber cable assemblies and accessories designed to meet the specific application needs of our customers. From patch cords, multifiber assemblies and connectors to adapters and attenuators, ADC is the choice for the essential products necessary to meet the requirements of today's high-speed networks.

ADC's patch cord manufacturing personnel are certified through ADC's rigorous internal fiber patch cord training processes.

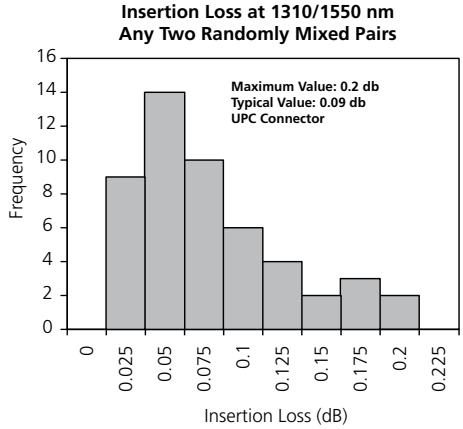
Advanced Manufacturing Processes

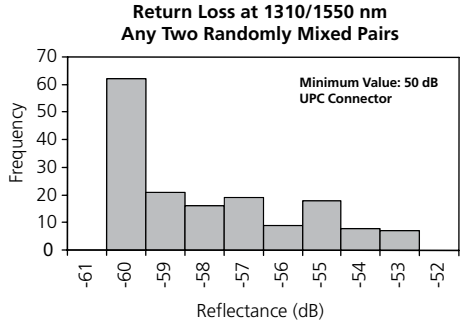
Advanced manufacturing processes allow us to meet some of the strictest specifications in the industry at prices comparable to those of less stringently produced components. ADC's innovative polishing techniques, rigorous evaluation of epoxies, serialized tracking and the strictest testing processes make us an industry leader in fiber components.

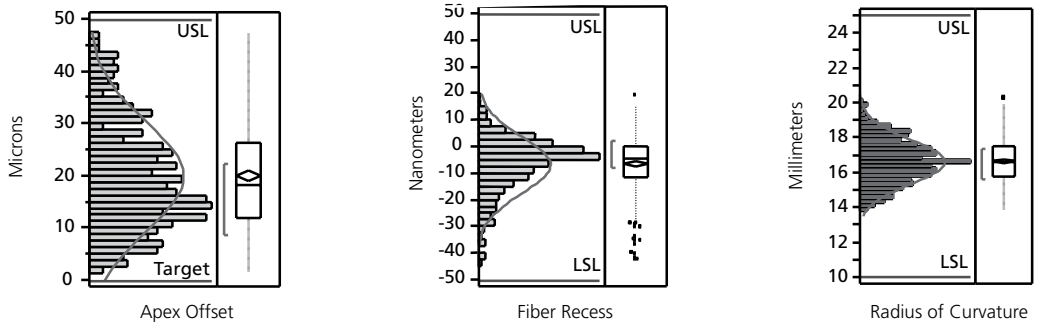
Quality Assurance

ADC tests every singlemode connector and applies a bar code traceable to the exact insertion loss and return loss for that termination. This aids in the documentation of the exact losses in the network. The bar code system also stores information about the materials used and the manufacturing process applied to produce the patch cord. These records are retained for your reference for over three years.

ADC's polishing process ensures consistently low insertion and return loss values. Insertion and return loss values are affected by the endface geometries of the fiber connector. ADC's fiber assemblies meet Telcordia® GR-326 industry requirements for quality and performance.







UPC Connector Measurements

Cable Assembly Solutions

Patch Cords

TracerLight® Connector Identification System

Power Source and Patch Cords

ADC's innovative TracerLight® connector identification system offers a quick and accurate method of identifying the termination point of optical patch cords. Each end of a TracerLight patch cord features a flashing light allowing technicians to visually trace individual patch cords from one end to the other without pulling or affecting the patch cord. The TracerLight power source is easily attached to the TracerLight component on one end of the patch cord. This causes the LED on each end to begin flashing rapidly. As a result, the distant end of the patch cord can be quickly and easily identified without interruption of service or disturbance of the optical signal path.

Available in any standard length or connector style, TracerLight patch cords have the same functions, optical performance and stringent environmental requirements as our standard patch cords. TracerLight patch cords are installed in the same manner as standard patch cords and can be pulled through ADC's FiberGuide® fiber cable management system with ease.

The compact power source is comprised of a lightweight, plastic flashlight body featuring two AA batteries and a printed circuit board (PCB). It provides approximately 80 hours of continuous service and features 1-hour auto-off. The end of battery life is indicated by a slowing of the blink rate.

TracerLight Connector Identification System

TracerLight Power Source
FTL-PS

Ordering Information

Description	Catalog Number
TracerLight Power Source	FTL-PS
TracerLight Plus Launch Cable (for use with a tone generator)	FTL-TGLC

Patch Cords

TracerLight® Singlemode or Multimode Patch Cords

Simplex

Catalog Number

FTL- __ / __ - __ __ __ __ M

Connector Style (first end)

Singlemode	
7	SC ultra polish
E	SC angled polish
2	FC ultra polish
C	LC ultra polish
M	LC angled polish
Multimode	
9	SC
P	LC

Connector Style (second end)

Singlemode	
7	SC ultra polish
E	SC angled polish
2	FC ultra polish
C	LC ultra polish
M	LC angled polish
Multimode	
9	SC
P	LC

Assembly Length

001-020	1-20 meters in 1 meter increments
025-065	25-65 meters in 5 meter increments
070-150	70-150 meters in 10 meter increments

Cable Type (1.7 mm)

Singlemode	
D	Standard singlemode (yellow)
P	Reduced bend radius singlemode (blue)*
Multimode	
A	50/125 µm multimode (orange)
J	50/125 µm laser optimized to 300 m multimode (aqua)
G	62.5/125 µm multimode (orange)

Ordering Examples

FTL-7/7-D003M: Singlemode simplex patch cord with SC connectors on both ends, 3 meters in length.

FTL-9/9-A005M: Multimode simplex patch cord with SC connectors on both ends using 50/125 µm fiber, 5 meters in length.

Duplex

Catalog Number

FTL- __ __ __ __ __ __ M

Connector Style (first end)

Singlemode	
7	SC ultra polish
E	SC angled polish
2	FC ultra polish
C	LC ultra polish
M	LC angled polish
Multimode	
9	SC
P	LC

Connector Style (second end)

Singlemode	
7	SC ultra polish
E	SC angled polish
2	FC ultra polish
C	LC ultra polish
M	LC angled polish
Multimode	
9	SC
P	LC

Assembly Length

001-020	1-20 meters in 1 meter increments
025-065	25-65 meters in 5 meter increments
070-150	70-150 meters in 10 meter increments

Cable Type (1.7 mm)

Singlemode	
Z	Dual zip singlemode (yellow)
R	Reduced bend radius dual zip singlemode (blue)*
Multimode	
E	50/125 µm dual zip multimode (orange)
K	50/125 µm laser optimized to 300 m multimode (aqua)
H	62.5/125 µm dual zip multimode (orange)

Ordering Examples

FTL-7CZ010M: Singlemode dual zip patch cord with SC to LC connectors, 10 meters in length.

FTL-PPE010M: Multimode dual zip patch cord with LC connectors on both ends using 50/125 µm fiber, 10 meters in length.

*Not a substitute for well-engineered cable management.

Other configurations are available upon request. Please contact ADC Technical Assistance Center.

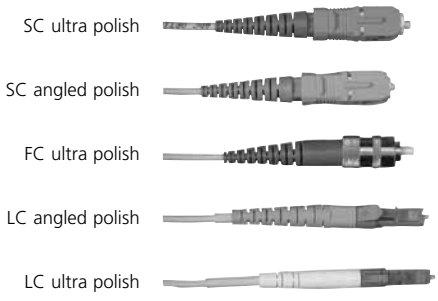
Patch Cords

Singlemode Patch Cords (Simplex and Duplex)

All patch cords undergo stringent testing for both insertion loss and return loss at the factory before shipment to ensure that only quality product is delivered to the customer.

ADC offers ultra physical contact (UPC) polish on the SC, FC, and LC connector styles.

Angled polish is available on the LC connector and the SC connector styles. Angled polish should be used in applications that require better control of return loss. ADC has tight tolerances regarding the rotation of the ferrule to maintain low insertion loss values.



Connector Types

Catalog Number

__ __ - __ - __ - __ M

Cable Option

FPC	Connector on both ends (patch cord)
FPT	Connector on one end (pigtail)

Cable Type

Standard singlemode	
M	2.0 mm single
F	1.7 mm single
9	900 µm
2	2.0 mm dual zip
T	1.7 mm dual zip
Reduced bend radius	
MW	2.0 mm single
FW	1.7 mm single
9W	900 µm
2W	2.0 mm dual zip
TW	1.7 mm dual zip

Assembly Length

1-20	1-20 meters in 1 meter increments
25-65	25-65 meters in 5 meter increments
70-150	70-150 meters in 10 meter increments

Fiber Type

S	Standard singlemode
P	Reduced bend radius singlemode (blue)*
LEAVE BLANK	2.0 mm standard singlemode

Singlemode Connector Type[1]

SPSC	SC ultra polish simplex
APSC	SC angled polish simplex
SDSC	SC ultra polish duplex[2]
SPFC	FC ultra polish simplex
SPLC	LC ultra polish simplex
SDLC	LC ultra polish duplex[2]
APLC	LC angled polish simplex

Ordering Examples

FPC2-SPSC-10M: Singlemode 2.0 mm dual zip patch cord with SC ultra polish connectors on both ends, 10 meters in length with standard breakout length of 0.31 m (12") on both ends.

[1] For hybrid patch cords, enter both connector types in this field and separate them with a slash mark; remove 's' from the ultra polish option.

FPCF-SPSC/PLC-S-10M: Singlemode 1.7 mm simplex patch cord with SC ultra polish connector on one end and LC ultra polish connector on the other end, 10 meters in length.

[2] One connector per end; requires dual zip cable

*** Not a substitute for well-engineered cable management.**

Other connector styles are available upon request. Please contact ADC Technical Assistance Center.

Patch Cords

Multimode Patch Cords (Simplex and Duplex)

Multimode patch cords are available with the LC small-form-factor connector and the SC connector.

These patch cords are assembled using the same advanced manufacturing processes as the singlemode, ensuring the highest quality standards.

LC-SC Multimode Patch Cord

Catalog Number

__ __ - __ - __ - __ **M**

Cable Option

FPC	Connector on both ends (patch cord)
FPT	Connector on one end (pigtail)

Cable Type

M	2.0 mm single
F	1.7 mm single
9	900 µm
2	2.0 mm dual zip
T	1.7 mm dual zip

Assembly Length

1-20	1-20 meters in 1 meter increments
25-65	25-65 meters in 5 meter increments
70-150	70-150 meters in 10 meter increments

Fiber Type

A	50/125 µm multimode
B	62.5/125 µm multimode
F	50/125 µm laser optimized to 300 m multimode (aqua)

Multimode Connector Type[1]

MSC	SC simplex
MDSC	SC duplex[2]
MLC	LC simplex
MDLC	LC duplex[2]

Ordering Examples

FPCM-MSC-B-7M: Multimode simplex 2.0 mm patch cord with SC connectors on both ends, 62.5/125 µm fiber type, 7 meters in length.

[1] **For hybrid patch cords,** enter both connector types in this field and separate them with a slash mark.

FPCM-MSC/MLC-A-3M: Multimode simplex 2.0 mm patch cord with SC connector on one end and LC connector on the other end, 50/125 µm fiber type, 3 meters in length.

[2] One connector per end; requires dual zip cable.

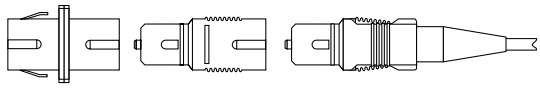
Other configurations are available upon request. Please contact ADC Technical Assistance Center.

Attenuators

In-Line Attenuators

A fiber optic attenuator is an optical device that induces a calibrated fixed loss between two connectors, which dampens, or attenuates the fiber optic signal. Attenuation is required if an optical signal has too much power, exceeding the operating range of the equipment, which causes saturation at the receiver and induces system errors or failures.

ADC's full line of attenuators is manufactured to meet the demands of your network. In-line attenuators are installed between an adapter and a connector; they are fused attenuators, providing exceptional optical performance.



Adapter **In-Line Attenuator** **Connector/ Patch Cord**

Attenuation	Tolerance
≤5 dB	±0.75 dB
>5 dB	±10%

In-Line FC Attenuator

In-Line SC Attenuator

Ordering Information

Description	Catalog Number*
LC ultra polish	
05 dB	FOA-INLC05
10 dB	FOA-INLC010
15 dB	FOA-INLC015
20 dB	FOA-INLC020
SC ultra polish	
05 dB	FOA-INSC05
10 dB	FOA-INSC10
15 dB	FOA-INSC15
20 dB	FOA-INSC20
SC angled polish	
05 dB	FOA-INASC05
10 dB	FOA-INASC10
15 dB	FOA-INASC15
20 dB	FOA-INASC20
FC ultra polish	
05 dB	FOA-INFC05
10 dB	FOA-INFC10
15 dB	FOA-INFC15
20 dB	FOA-INFC20

* Other attenuation values and connector styles are available upon request. Please contact ADC Technical Assistance Center.

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