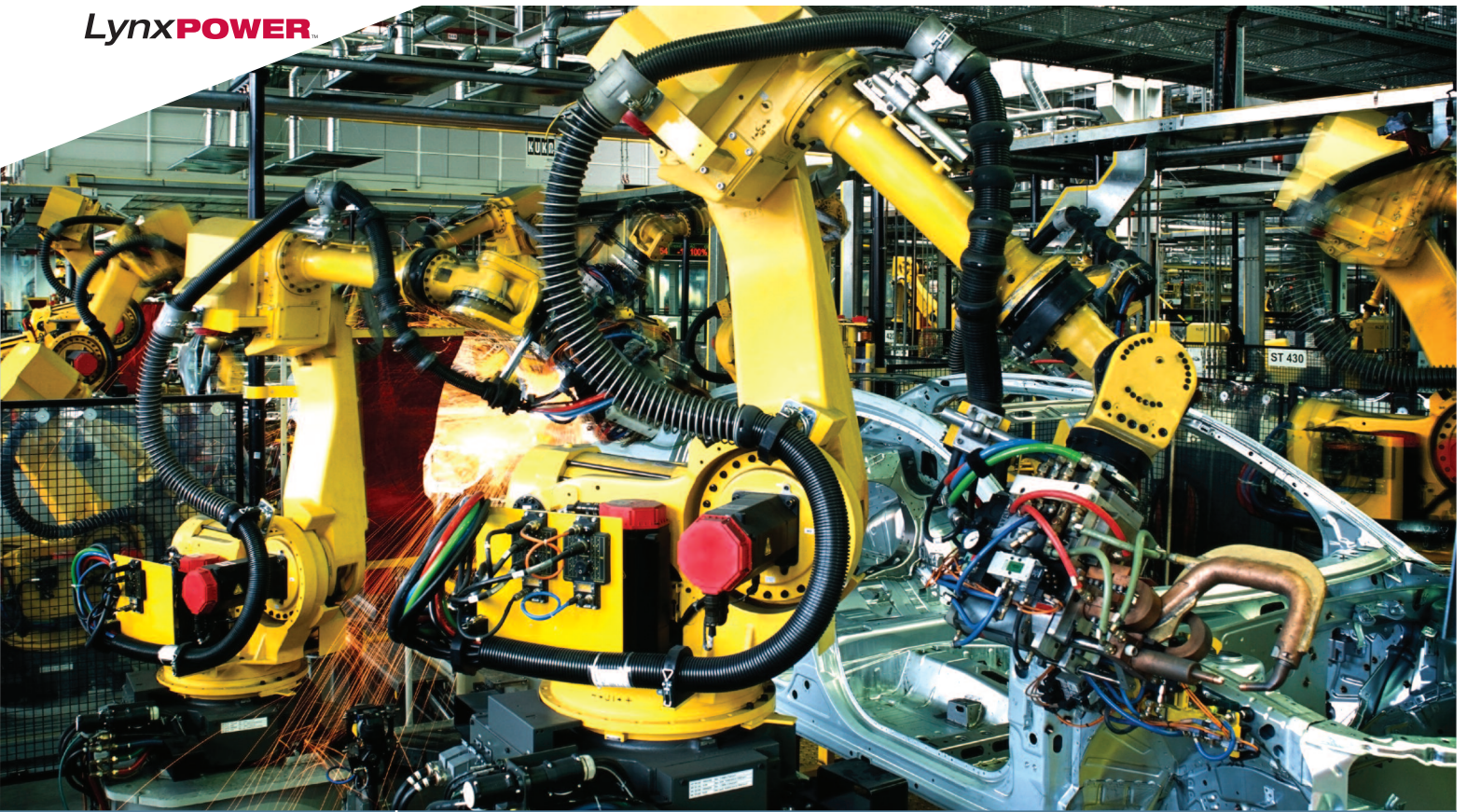Lynx**POWER**™

# Network Connectivity

Your link for dependable routing of signal
and data in industrial environments

**COOPER** Interconnect

# LynxPOWER™ Industrial Connectivity

**Realize time and cost savings with LynxPOWER Industrial Connectivity**

When operating efficiency and manufacturing uptime are critical, Cooper Interconnect's extensive offering of industrial connectivity products simplify installations and change-outs for power, signal and data applications.

## Table of Contents

**Cooper Interconnect can improve the efficiency, safety, and uptime of your facility with LynxPOWER industrial connectivity devices.**

- Designed specifically to withstand industrial manufacturing environments

- Lowers maintenance and facility costs due to quick and easy change-out modular design

- Available in a wide variety of pin configurations, amperages, materials, and styles

- Customized configurations to meet your specific application needs

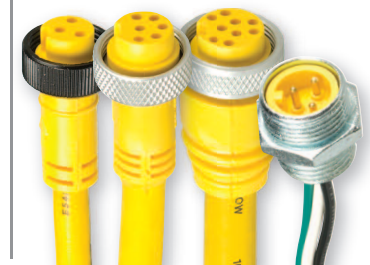- Keyed to ensure accurate and safe connections every time
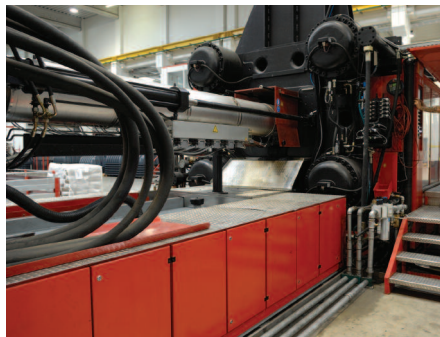
**SOFTPower™ Product Applications:**

- Motor Controls
- Mixers, Grinders & Choppers
- Pumps

**Mini-Line™ Product Applications:**

- Food Processing Equipment
- Conveyors & Assembly Lines
- Packaging Equipment

## Custom connectivity solutions to meet your unique applications

LynxPOWER can accommodate all of your unique connectivity applications with customized designs, lengths, materials and configurations created per your specifications and delivered when you need them.

**Micro-Mini™ Product Applications:**

- Pick-n-Place Machines
- Robotic Equipment
- Industrial Sensors
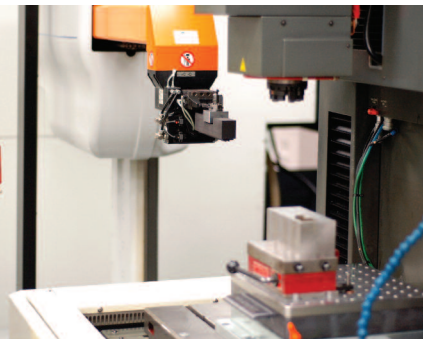
**Industrial Network Product Applications:**

- Factory Automation
- Production Monitoring
- Industrial Networks

### Engineered Solutions

Cooper Interconnect custom engineered solutions can match any of your complex job needs, simplify your project and maximize your bottom line.

### Stock Items

Many of our Cooper Interconnect products are in stock and available for immediate purchase and quick delivery. Contact your Cooper Interconnect sales agent for a full list of products.

### Made To Order

Our easy to use ordering matrix allows you to configure made to order parts to suite your exact needs.

**A complete line of industrial network connectivity solutions**

Cooper Interconnect's broad selection of products are designed to bridge communication between office and factory floors in your choice of today's communication standards including Ethernet, and DeviceNet™.

## Application

Industrial Network products are specifically designed for data and signal transfer in industrial environments under complex physical and environmental conditions.

Industrial Network products are ideal for industrial manufacturing, production line equipment, factory automation and production monitoring plus industrial data networks.

These products have excellent resistance to welding flash, hot chips and other severe conditions found in demanding manufacturing settings.

The molded-to-cable construction of the one-piece cordset ends creates a bond that is impervious to penetration from external contaminants.

Receptacle shells are made from materials chosen to mate with Industrial Network cordsets and provide a cable assembly with far superior service.
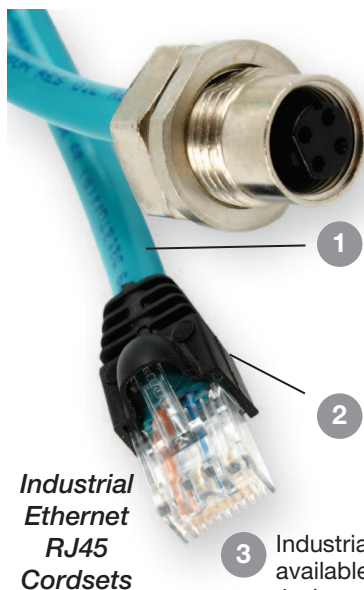
**Lynx POWER™**

## Facilitating reliable communication with the manufacturing floor

Our industrial network connectivity solutions are engineered to provide reliable performance in the harsh industrial environments that cause regular cables to fail. Superior materials and robust design ensure communication continuity and less downtime.
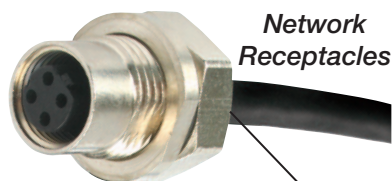
*Industrial Ethernet Micro-Mini™ Cordsets*

**DeviceNet™**

**1** Industrial grade Cat 5e cable available in your choice of shielded, solid, stranded and high-flex

*DeviceNet™ Cordsets*

**2** RJ45 connectors feature a polyolefin snagless boot

**4** DeviceNet trunk cordsets available with Mini-Line cordsets in 5-Pole mid thick and thick high-flex cables

*Industrial Ethernet RJ45 Cordsets*

**3** Industrial Ethernet cordsets available with RJ45, Micro-Mini 4-pin or Micro-Mini 8-pin ends for Ethernet & IP applications

**5** DeviceNet drop cordsets available with Mini-Line or Micro-Mini cordsets with thin and thin high-flex cables

**10** Modular components allow for easy creation, expansion and reconfiguration of systems

**6** Flexible high-flex cable options eases installation and delivers signal without interruption

*Network Receptacles*

**7** Vibration-resistant couplers assure devices stay connected under load

**11** Factory molded-to-cable connectors provide quick-connect capability

**8** Environmentally-sealed ends prevent the ingress of dust, water and other contaminants for superior service

### Related Products

Whether you need to create elaborate data networks or simpy add another drop into a connection, we have the Network Products adapters and accessories you need – just visit www.cooperinterconnect.com.

**Network Plex Boxes**
*Industrial Interconnect Distribution Systems*

**Network Tees & Splitters**
*Industrial Connectivity*

**Network Field Attachables, Terminators & Caps**
*Industrial Connectivity*

*DeviceNet is a trademark of ODVA.*

| Project Name: | Prepared By: |
|---|---|
| Project Number: | Date: |
| Catalog Number: | Type: |

## Lynx**POWER**™

## Industrial Ethernet Cordsets & Receptacles

NEMA 1, 3, 4, 6P & 13; IEC IP 68

### RJ45 & Micro-Mini™ Cordsets & Receptacles

**RJ45 to RJ45**
**EC8B1WE100M**

**RJ45 to Receptacle**
**EC4C1WE010M**

**4-Pin Micro-Mini Male Cordset**
**EC4F1WE010M**

**4-Pin Micro-Mini Female Receptacle**
**ER4A1WE005M**

**FEATURES**
- Industrial Cat 5e cable.
- Factory molded-to-cable connectors provide quick connect and disconnect capability.
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools.
- Environmentally sealed ends rated at IP 68 to prevent the ingress of dust, water, and other contaminants to reduce maintenance and downtime.

- Micro-Mini vibration resistant ratchet couplers assure cordsets stay coupled under load.
- Micro-Mini internal gasket assure watertight performance to IP 68 and NEMA 6P ratings.
- Compact, space-saving thermoplastic bodies.
- Every unit is 100% electrically tested using state of the art automated test equipment to stringent ANSI/TIA/EIA and ODVA specifications.
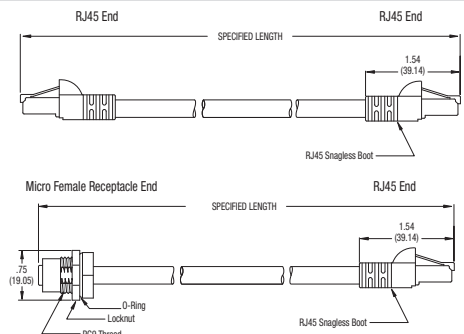
### RJ45 & RJ45 to Micro-Mini (M12) Cordsets

**Ethernet Cordsets**

*Configuration options:*
  RJ45 to RJ45
  RJ45 to Female Panel Mount Receptacle (PG9)
  RJ45 to Female 1/2" - 14 NPT Receptacle
  RJ45 to Male Panel Mount Receptacle (PG9)

- Straight design, double-ended configuration, receptacles have 4-pin or 8-pin options
- Cable: 24 AWG, 0.280" dia., meets TIA 568-B.2 specification for ethernet physical layer
- Nickel plated brass or stainless steel receptacle coupler options

RJ45 End — SPECIFIED LENGTH — RJ45 End
1.54 (39.14)
RJ45 Snagless Boot

Micro Female Receptacle End — SPECIFIED LENGTH — RJ45 End
.75 (19.05)
1.54 (39.14)
O-Ring
Locknut
PG9 Thread
RJ45 Snagless Boot

### Micro-Mini (M12) Cordsets & Receptacles

**Ethernet Cordsets**

*Configuration options:*
  Male to Male straight or angled
  Female to Female straight or angled
  Male to Female straight or angled

- Double-ended configuration, 4-pin or 8-pin options
- Cable: 24 AWG, 0.280" dia., meets TIA 568-B.2 specification for ethernet physical layer
- Black epoxy coated zinc, nickel plated brass or stainless steel coupler options

Male Straight End — SPECIFIED LENGTH — Male Angled End
1.94 (49.3)
0.88 (22.3)
Coupler
Coupler
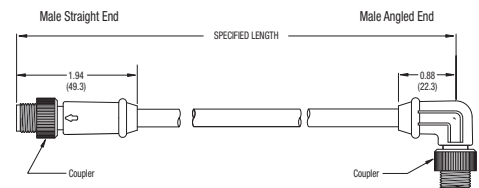
**Ethernet Receptacles**

*Configuration options:*
  Female internal thread panel back mount (PG9)
  Male external thread panel back mount (PG9)
  Female internal thread panel front mount
    (1/2" -14 NPT)

- 4-pin or 8-pin options
- Black epoxy coated zinc, nickel plated brass or stainless steel shell options
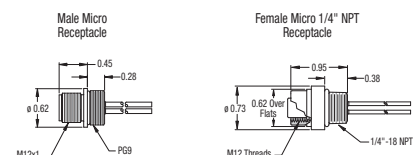
Male Micro Receptacle
0.45
0.28
ø 0.62
M12x1
PG9

Female Micro 1/4" NPT Receptacle
0.95
0.38
ø 0.73
0.62 Over Flats
M12 Threads
1/4"-18 NPT

**COOPER** Interconnect

# Industrial Connectivity

| Project Name: | | Prepared By: |
|---|---|---|
| Project Number: | | Date: |
| Catalog Number: | | Type: |

## Lynx**POWER**™  Industrial Ethernet Cordsets & Receptacles  | NEMA 1, 3, 4, 6P & 13; IEC IP 68

## Pin Configurations & Color Coding

**RJ45 Face**

**RJ45**

**Female Faces, Micro-Mini™ (M12)**

4-Pole    8-Pole

**Male Faces, Micro-Mini™ (M12)**

4-Pole    8-Pole

**Conductor Color Coding**

**Cat 5e**
1. WHT/ORG (TX+)
2. ORG (TX-)
3. WHT/BLU (RX+)
4. –
5. –
6. BLU (RX+)
7. –
8. –

**Conductor Color Coding**

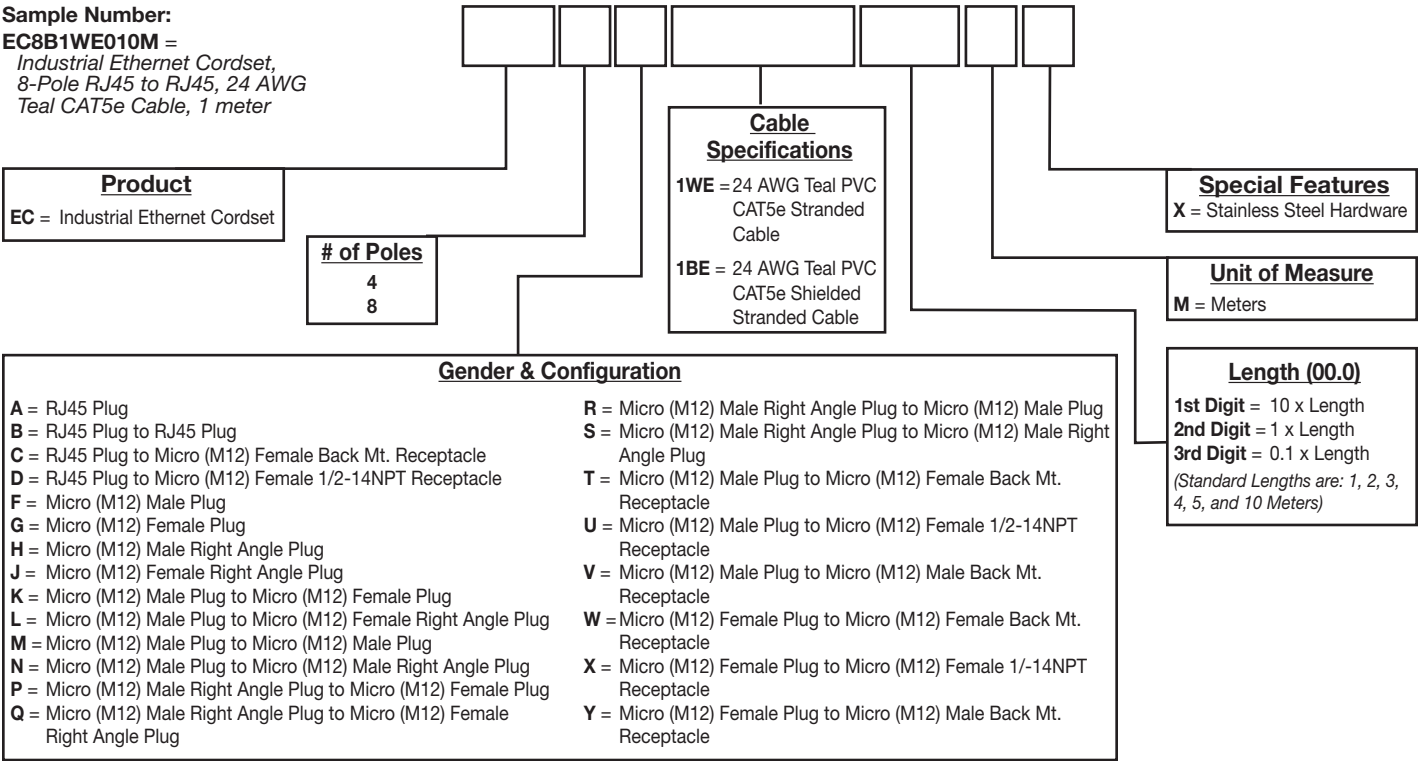| Micro Cat 5e | Micro Cat 5e | |
|---|---|---|
| 1. WHT/ORG | 1. LT BLU | 5. LT GRN |
| 2. WHT/BLU | 2. LT BRN | 6. WHT |
| 3. ORG | 3. BRN | 7. BLU |
| 4. BLU | 4. ORG | 8. GRN |

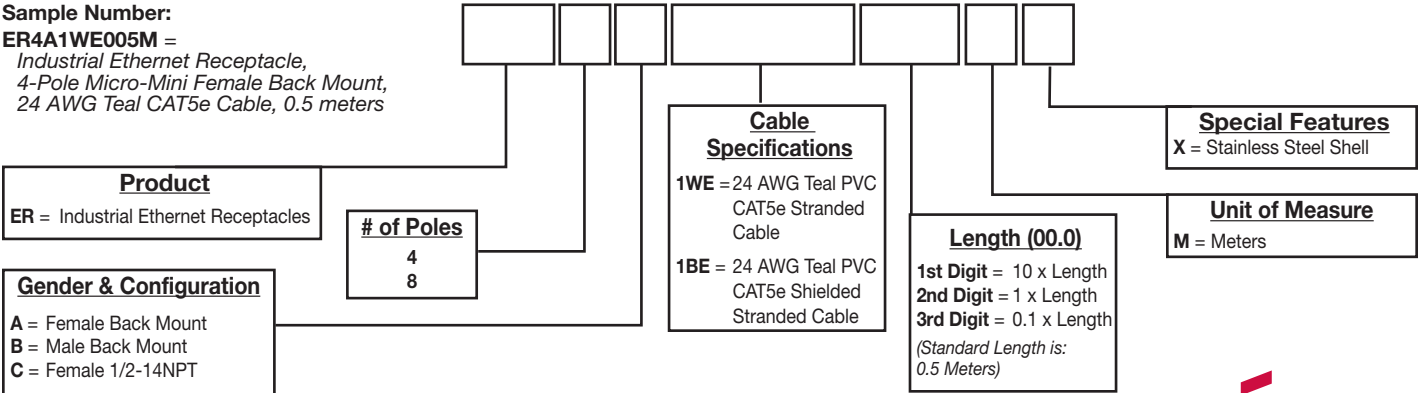| Micro Cat 5e | Micro Cat 5e | |
|---|---|---|
| 1. WHT/ORG | 1. LT BLU | 5. LT GRN |
| 2. WHT/BLU | 2. LT BRN | 6. WHT |
| 3. ORG | 3. BRN | 7. BLU |
| 4. BLU | 4. ORG | 8. GRN |

## Industrial Ethernet Cordsets Catalog Number Matrix

**Sample Number:**
**EC8B1WE010M** =
*Industrial Ethernet Cordset, 8-Pole RJ45 to RJ45, 24 AWG Teal CAT5e Cable, 1 meter*

### Product

**EC** = Industrial Ethernet Cordset

### # of Poles
4
8

### Cable Specifications

**1WE** = 24 AWG Teal PVC CAT5e Stranded Cable

**1BE** = 24 AWG Teal PVC CAT5e Shielded Stranded Cable

### Special Features

**X** = Stainless Steel Hardware

### Unit of Measure

**M** = Meters

### Length (00.0)

**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length

*(Standard Lengths are: 1, 2, 3, 4, 5, and 10 Meters)*

### Gender & Configuration

**A** = RJ45 Plug
**B** = RJ45 Plug to RJ45 Plug
**C** = RJ45 Plug to Micro (M12) Female Back Mt. Receptacle
**D** = RJ45 Plug to Micro (M12) Female 1/2-14NPT Receptacle
**F** = Micro (M12) Male Plug
**G** = Micro (M12) Female Plug
**H** = Micro (M12) Male Right Angle Plug
**J** = Micro (M12) Female Right Angle Plug
**K** = Micro (M12) Male Plug to Micro (M12) Female Plug
**L** = Micro (M12) Male Plug to Micro (M12) Female Right Angle Plug
**M** = Micro (M12) Male Plug to Micro (M12) Male Plug
**N** = Micro (M12) Male Plug to Micro (M12) Male Right Angle Plug
**P** = Micro (M12) Male Right Angle Plug to Micro (M12) Female Plug
**Q** = Micro (M12) Male Right Angle Plug to Micro (M12) Female Right Angle Plug

**R** = Micro (M12) Male Right Angle Plug to Micro (M12) Male Plug
**S** = Micro (M12) Male Right Angle Plug to Micro (M12) Male Right Angle Plug
**T** = Micro (M12) Male Plug to Micro (M12) Female Back Mt. Receptacle
**U** = Micro (M12) Male Plug to Micro (M12) Female 1/2-14NPT Receptacle
**V** = Micro (M12) Male Plug to Micro (M12) Male Back Mt. Receptacle
**W** = Micro (M12) Female Plug to Micro (M12) Female Back Mt. Receptacle
**X** = Micro (M12) Female Plug to Micro (M12) Female 1/-14NPT Receptacle
**Y** = Micro (M12) Female Plug to Micro (M12) Male Back Mt. Receptacle

## Industrial Ethernet Receptacles Catalog Number Matrix

**Sample Number:**
**ER4A1WE005M** =
*Industrial Ethernet Receptacle, 4-Pole Micro-Mini Female Back Mount, 24 AWG Teal CAT5e Cable, 0.5 meters*

### Product

**ER** = Industrial Ethernet Receptacles

### Gender & Configuration

**A** = Female Back Mount
**B** = Male Back Mount
**C** = Female 1/2-14NPT

### # of Poles
4
8

### Cable Specifications

**1WE** = 24 AWG Teal PVC CAT5e Stranded Cable

**1BE** = 24 AWG Teal PVC CAT5e Shielded Stranded Cable

### Length (00.0)

**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length

*(Standard Length is: 0.5 Meters)*

### Special Features

**X** = Stainless Steel Shell

### Unit of Measure

**M** = Meters

COOPER Interconnect

# Industrial Connectivity

| Project Name: | Prepared By: |
|---|---|
| Project Number: | Date: |
| Catalog Number: | Type: |

## *Lynx*POWER™ DeviceNet™ Trunk

NEMA 1, 3, 4, 6P & 13; IEC IP 68
300V AC/DC

## DeviceNet Trunk Cordsets & Receptacles

**KC5EBTD050M
Female Trunk**

**KC5JBTD050M
Male 90° to
Female Trunk**

### FEATURES
- Industrial Trunk or Drop assembly cable.
- Factory molded-to-cable connectors provide quick connect and disconnect capability.
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools.
- Environmentally sealed ends rated at IP 68 to prevent the ingress of dust, water, and other contaminants to reduce maintenance and downtime.
- Vibration resistant ratchet couplers assure cordsets stay coupled under load.
- Mini-Line shroud and cork design exceeds IP 68 and NEMA 6P rating (rated 1,200 PSI hose down spray).
- Compact, space-saving thermoplastic bodies.
- Every unit is 100% electrically tested using state of the art automated test equipment to stringent ODVA specifications.

### Trunk Cordsets

**5-Pole: 8A**

*5 conductor:*
- Male and Female Plugs
- Straight and right angle designs
- Single- and double-ended configurations
- Plug to Back Mount Receptacle options
- Vibration resistant ratchet coupler design
- Supports THIN, THIN HI-FLEX, MID, THICK & THICK HI-FLEX cables
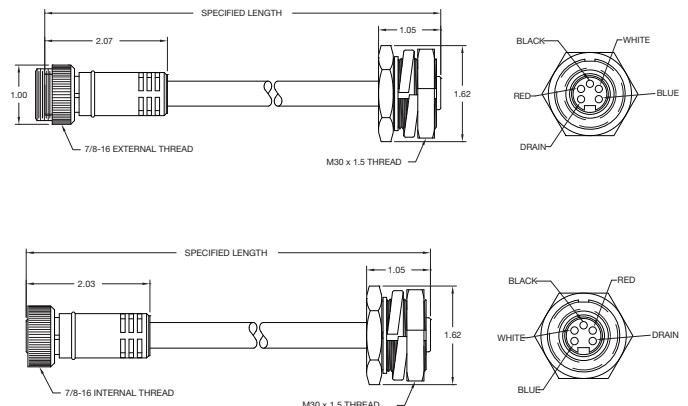- Epoxy coated zinc and stainless steel coupler options
- IP68

Female Straight Plug · Female Right Angle Plug · Male Straight Plug · Male Right Angle Plug
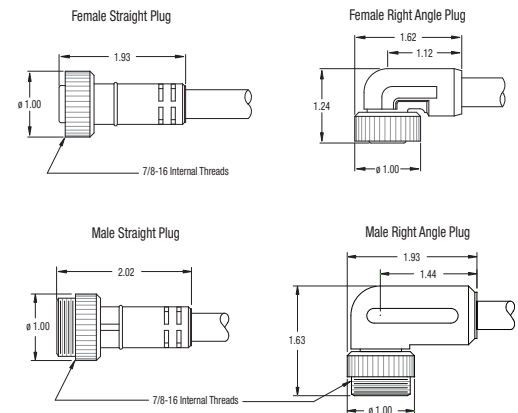
### Trunk Receptacles

**5-Pole: 8A**

*5 conductor:*
- Male and Female Receptacles
- Plug to Back Mount Receptacle options
- Receptacle with cable only options
- Supports THIN, THIN HI-FLEX, MID, THICK & THICK HI-FLEX cables
- M30 back mount or ½"-14NPT front mount configurations
- Epoxy coated zinc and stainless steel shell options
- IP68

**TESTING & CODE COMPLIANCE**
- UL Listing Pending

8

COOPER Interconnect

# Industrial Connectivity

| Project Name: | | Prepared By: |
|---|---|---|
| Project Number: | | Date: |
| Catalog Number: | | Type: |

## *Lynx*POWER ™  DeviceNet™ Trunk Cordsets & Receptacles | NEMA 1, 3, 4, 6P & 13; IEC IP 68 300V AC/DC

## Mini Pin Configurations & Color Coding

*Female Face, Mini-Line*

**5-Pole Style I**

*Male Face, Mini-Line*

**5-Pole Style I**

*Conductor Color Coding*

**DeviceNet**
1. DRAIN (bus shield)
2. RED (V+)
3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

**DeviceNet**
1. DRAIN (bus shield)
2. RED (V+)
3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

## DeviceNet Trunk (Mini-Line) Cordsets Catalog Number Matrix

**Sample Number:**
**KC5ABTD010M** =
*DeviceNet Trunk Male Cordset,*
*15 & 18 AWG THICK Gray PVC Cable,*
*1 Meter*

### Product
**KC** = DeviceNet Trunk Cordsets

### # of Poles
**5**

### Gender & Configuration
**A** = Male Straight
**B** = Male 90º
**E** = Female Straight
**F** = Female 90º
**J** = Male 90º to Female Straight
**K** = Male 90º to Female 90º
**L** = Male Straight to Female
**M** = Male Straight to Female 90º

### Cable Specifications
**ADD** = 22 & 24 AWG Gray PVC - THIN
**BFD** = 15 & 18 AWG Gray PVC - THICK HI-FLEX
**AHD** = 22 & 24 AWG Gray PVC - THICK HI-FLEX
**CMD** = 18 & 20 AWG Gray PVC - MID
**BTD** = 15 & 18 AWG Gray PVC - THICK

### Special Features
**X** = Stainless Steel Coupler

### Unit of Measure
**M** = Meters

### Length (00.0)
**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length
*(Standard Lengths are:*
*1, 2, 3, 4, 5 and 10 Meters)*

## DeviceNet Trunk (Mini-Line) Receptacle Catalog Number Matrix

**Sample Number:**
**KR5ABFD010M** =
*DeviceNet Trunk Male to Female Back*
*Mount Receptacle,*
*22 & 24 AWG THIN Gray PVC Cable,*
*1 Meter*

### Product
**KR** = DeviceNet Trunk Receptacle

### # of Poles
**5**

### Gender & Configuration
**A** = Male to Female Back Mount Receptacle
**B** = Male 90º to Female Back Mount Receptacle
**C** = Female Trunk to Male Trunk Back Mount Receptacle
**D** = Female 90º to Male Back Mount Receptacle
**E** = Male External Thread 1/2"-14 NPT Mounting
**F** = Female Internal Thread - 1/2"-14 NPT Mounting

### Cable Specifications
**BFD** = 22 & 24 AWG Gray PVC - THIN
**BFD** = 15 & 18 AWG Gray PVC - THICK HI-FLEX
**AHD** = 22 & 24 AWG Gray PVC - THIN HI-FLEX
**CMD** = 18 & 20 AWG Gray PVC - MID
**BTD** = 15 & 18 AWG Gray PVC - THICK

### Special Features
**X** = Stainless Steel Shell

### Unit of Measure
**M** = Meters

### Length (00.0)
**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length
*(Standard Lengths is*
*0.5 meters)*

**COOPER** Interconnect

# Industrial Connectivity

## *Lynx*POWER™ DeviceNet™ Drop

NEMA 1, 3, 4, 6P & 13; IEC IP 68
300V AC/DC

## DeviceNet Drop Cordsets & Receptacles

**PC5CADD010M
Male Drop**

**KC5EBTD050M
Female Receptacles**

### FEATURES
- Industrial Trunk or Drop assembly cable.
- Factory molded-to-cable connectors provide quick connect and disconnect capability.
- Modular components allow for easy expansion and reconfiguration without the need for re-wiring; eliminates the need for multiple cable assemblies, reduces installation time, reduces design time and lessens the need for special tools.
- Environmentally sealed ends rated at IP 68 to prevent the ingress of dust, water, and other contaminants to reduce maintenance and downtime.

- Vibration resistant ratchet couplers assure cordsets stay coupled under load.
- Micro-Mini internal gasket assures watertight performance to IP 68 and NEMA 6P ratings.
- Compact, space-saving thermoplastic bodies.
- Every unit is 100% electrically tested using state of the art automated test equipment to stringent ODVA specifications.
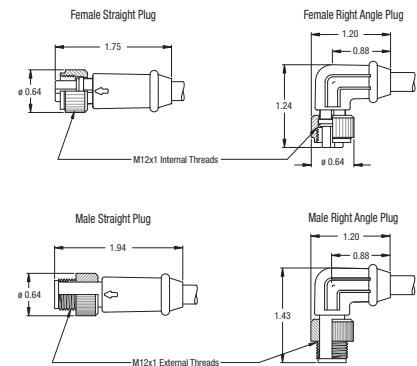
### Drop Cordsets

**5-Pole: 2A**

*5 conductor:*
- Male and Female Plugs
- Straight and right angle designs
- Single- and double-ended configurations
- Plug to Back Mount Receptacle options
- Vibration resistant ratchet coupler design
- Supports THIN and THIN HI-FLEX cables
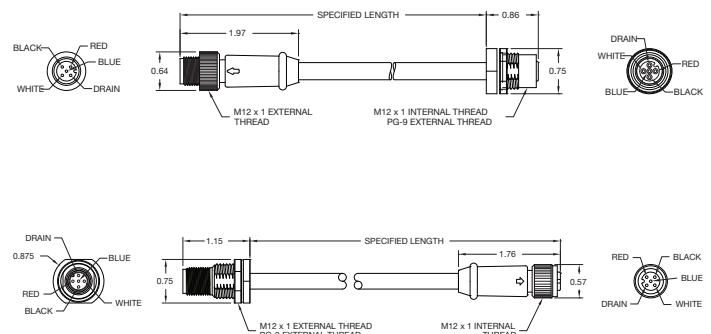- Epoxy coated zinc and stainless steel coupler options
- IP68

Female Straight Plug
1.75
ø 0.64
M12x1 Internal Threads

Female Right Angle Plug
1.20
0.88
1.24
ø 0.64

Male Straight Plug
1.94
ø 0.64
M12x1 External Threads

Male Right Angle Plug
1.20
0.88
1.43

### Drop Receptacles

**5-Pole: 2A**

*5 conductor:*

- Male and Female Receptacles
- Plug to Back Mount Receptacle options
- Receptacle with cable only options
- Supports THIN and THIN HI-FLEX cables
- PG90 back mount or ½"-14NPT front mount configurations
- Epoxy coated zinc and stainless steel shell options
- IP68

SPECIFIED LENGTH
1.97
0.86
BLACK RED
BLUE
WHITE DRAIN
0.64
M12 x 1 EXTERNAL THREAD
M12 x 1 INTERNAL THREAD PG-9 EXTERNAL THREAD
0.75
DRAIN
WHITE RED
BLUE BLACK

DRAIN
0.875 BLUE
RED WHITE
BLACK
1.15
SPECIFIED LENGTH
1.76
0.75
M12 x 1 EXTERNAL THREAD PG-9 EXTERNAL THREAD
M12 x 1 INTERNAL THREAD
0.57
RED BLACK
BLUE
DRAIN WHITE

### TESTING & CODE COMPLIANCE
- UL Listing Pending

COOPER Interconnect

# Industrial Connectivity

| Project Name: | Prepared By: |
|---|---|
| Project Number: | Date: |
| Catalog Number: | Type: |

## *Lynx*POWER™  DeviceNet™ Drop Cordsets & Receptacles | NEMA 1, 3, 4, 6P & 13; IEC IP 68 300V AC/DC

## Micro Pin Configurations & Color Coding

*Female Face, Micro-Mini (M12)*

5-Pole DC DIN

*Male Face, Micro-Mini (M12)*

5-Pole DC DIN

*Conductor Color Coding*

**DeviceNet**
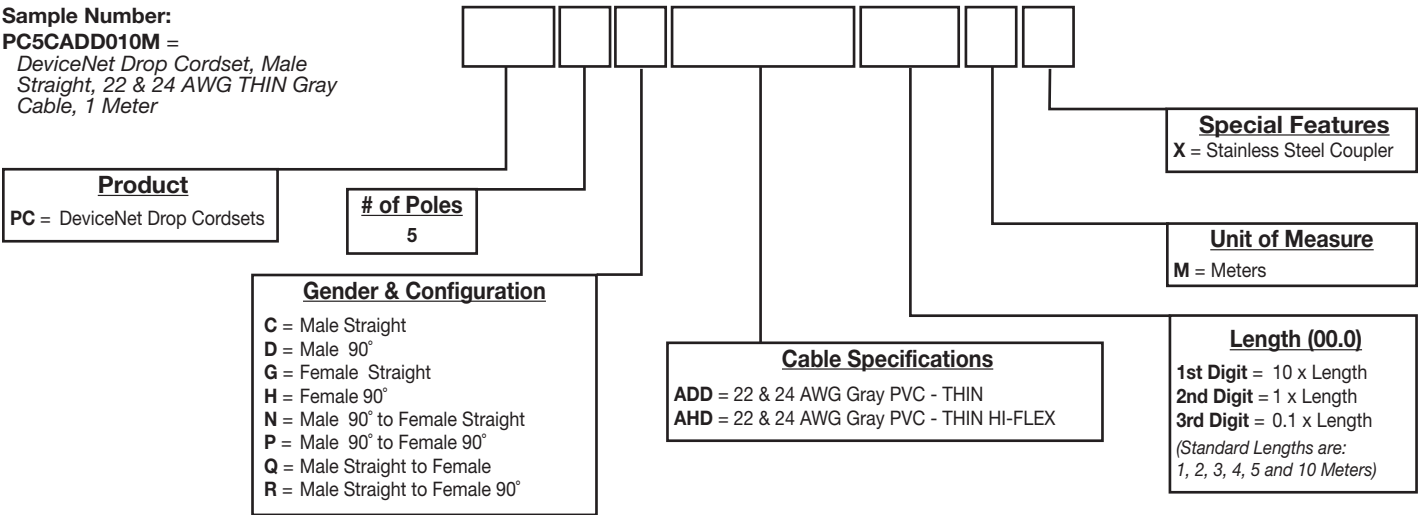1. DRAIN (bus shield)
2. RED (V+)
3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

**DeviceNet**
1. DRAIN (bus shield)
2. RED (V+)
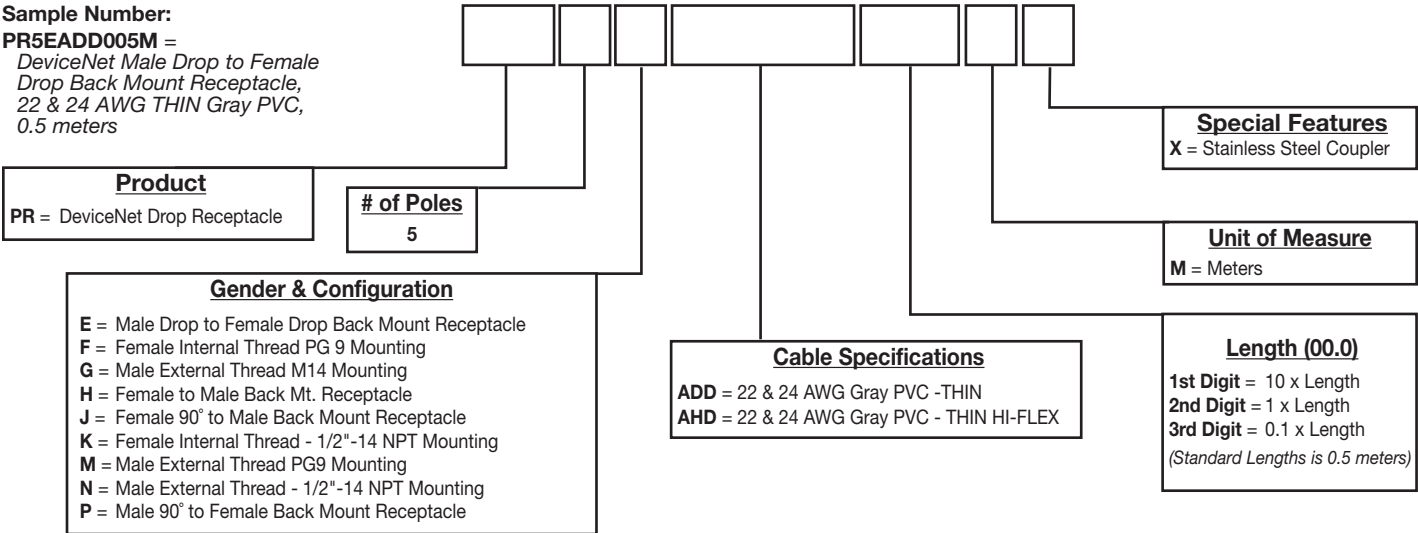3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

## DeviceNet Drop (Micro-Mini) (M12) Cordsets Catalog Number Matrix

**Sample Number:**
**PC5CADD010M** =
*DeviceNet Drop Cordset, Male Straight, 22 & 24 AWG THIN Gray Cable, 1 Meter*

### Product
PC = DeviceNet Drop Cordsets

### # of Poles
5

### Gender & Configuration
**C** = Male Straight
**D** = Male 90˚
**G** = Female Straight
**H** = Female 90˚
**N** = Male 90˚ to Female Straight
**P** = Male 90˚ to Female 90˚
**Q** = Male Straight to Female
**R** = Male Straight to Female 90˚

### Cable Specifications
**ADD** = 22 & 24 AWG Gray PVC - THIN
**AHD** = 22 & 24 AWG Gray PVC - THIN HI-FLEX

### Special Features
**X** = Stainless Steel Coupler

### Unit of Measure
**M** = Meters

### Length (00.0)
**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length
*(Standard Lengths are: 1, 2, 3, 4, 5 and 10 Meters)*

## DeviceNet Drop (Micro-Mini) (M12) Receptacle Catalog Number Matrix

**Sample Number:**
**PR5EADD005M** =
*DeviceNet Male Drop to Female Drop Back Mount Receptacle, 22 & 24 AWG THIN Gray PVC, 0.5 meters*

### Product
PR = DeviceNet Drop Receptacle

### # of Poles
5

### Gender & Configuration
**E** = Male Drop to Female Drop Back Mount Receptacle
**F** = Female Internal Thread PG 9 Mounting
**G** = Male External Thread M14 Mounting
**H** = Female to Male Back Mt. Receptacle
**J** = Female 90˚ to Male Back Mount Receptacle
**K** = Female Internal Thread - 1/2"-14 NPT Mounting
**M** = Male External Thread PG9 Mounting
**N** = Male External Thread - 1/2"-14 NPT Mounting
**P** = Male 90˚ to Female Back Mount Receptacle

### Cable Specifications
**ADD** = 22 & 24 AWG Gray PVC -THIN
**AHD** = 22 & 24 AWG Gray PVC - THIN HI-FLEX

### Special Features
**X** = Stainless Steel Coupler

### Unit of Measure
**M** = Meters

### Length (00.0)
**1st Digit** = 10 x Length
**2nd Digit** = 1 x Length
**3rd Digit** = 0.1 x Length
*(Standard Lengths is 0.5 meters)*

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# Industrial Connectivity

## *Lynx*POWER™ DeviceNet™ Tees | NEMA 1, 3, 4, & 6P; IEC IP 68

**KT5RCRB**
**Male-Female-Female**
**Trunk Tee**

**PT5RCRA**
**Male-Female-Female**
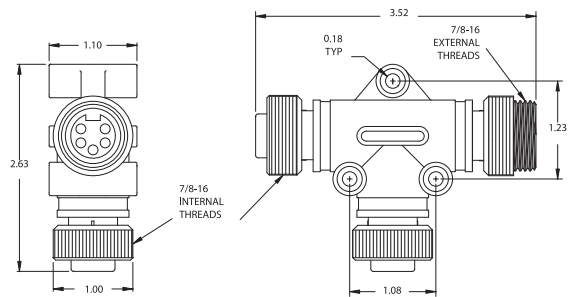**Drop Tee**

## Tees

### FEATURES

- Modular components all for easy expansion and reconfiguration without the need for re-wiring; reduce installation time and less the need for special tools.
- Factory molded Tees offer quick and easy circuit branching options eliminating the need for hardwired junctions.
- Compact body reduces the overall connectivity footprint.

- Tees are available with molded to cable drops as well as molded wiring harnesses with multiple drops.
- Flexible gender configurations allow the user to customize the product to fit their application.
- Optional 316 stainless steel couplers support food & beverage industry applications

### Trunk Tees

**5-Pole: 8A**

*5 conductor:*

- Male and Female Plug connectivity
- Available with THIN, THIN HI-FLEX, MID, THICK & THICK HI-FLEX molded drop cable options
- Multiple Trunk and Drop configurations to choose from
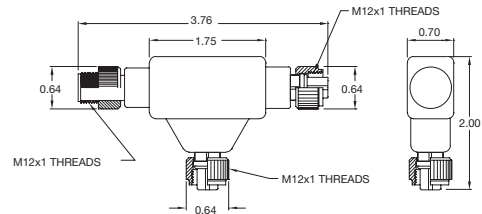- Epoxy coated zinc, nylon & stainless steel coupler options available
- IP68



### Drop Tees

**3-Pole, 4-Pole, 5-Pole: 5A/300V**

*5 conductor:*

- Male and Female plug connectivity
- Available with THIN and THIN HI-FLEX molded drop cable options
- Epoxy coated zinc, nylon and stainless steel coupler options available
- IP68



## Trunk Tee DC Pin Configurations & Color Coding

*Female Faces*



**5-Pole Style I**

*Male Faces*



**5-Pole Style I**

**Conductor Color Coding**

Euro DC
1. DRAIN (bus shield)
2. RED (V+)
3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

## Drop Tee DC Pin Configurations & Color Coding

*Female Faces*



**5-Pole DC DIN**

*Male Faces*



**5-Pole DC DIN**

**Conductor Color Coding**

Euro DC
1. DRAIN (bus shield)
2. RED (V+)
3. BLK (V-)
4. WHT (CAN_H)
5. BLU (CAN_L)

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## Lynx*POWER*™ DeviceNet™ Tees | NEMA 1, 3, 4, & 6P; IEC IP 68

### DeviceNet Trunk (Mini-Line) Tee

**Sample Number:**
**KT5RCLADD003M** =
*DeviceNet Mini Male Input, Mini Female Output, Mini Female Drop Trunk Cordset, Key Toward Male, 22 & 24 AWG, 0.3 Meters*

**Product**
KT = DeviceNet Trunk Tee

**# of Poles**
5

**Gender & Configuration**
RC = Mini Male - Mini Female - Mini Female
RE = Mini Male - Mini Female - Cable with Mini Female Straight
RG = Mini Male - Mini Female - Cable with Mini Female Right Angle
RJ = Mini Male - Mini Female - Cable with Micro (M12) Female Straight
RL = Mini Male - Mini Female - Cable with Micro (M12) Female Right Angle
RP = Mini Male - Mini Female - Micro (M12) Female
*Configuration = Input - Output - Drop*

**Drop Key Position**
L = Key Toward Male
R = Key Toward Female

**Cable Gauge**
A = 22 & 24 AWG
B = 15 & 18 AWG
C = 18 & 20 AWG

**Output Cable Type**
DD = 22 & 24 AWG Gray PVC - THIN
FD = 15 & 18 AWG Gray PVC - THICK HI-FLEX
HD = 22 & 24AWG Gray PVC - THIN HI-FLEX
MD = 18 & 20 AWG Gray PVC - MID
TD = 15 & 18 AWG Gray PVC - THICK
*(Leave blank if no cable)*

**Length (00.0)**
1st Digit = 10 x Length
2nd Digit = 1 x Length
3rd Digit = 0.1 x Length
*(Standard Length is: 0.3m)*
*(Leave blank if no cable)*

**Unit of Measure**
M = Meters
*(Leave blank if no cable)*

**Special Features**
N = Nylon Coupler
X = Stainless Steel Coupler

### DeviceNet Drop (Micro-Mini) (M12) Tee

**Sample Number:**
**MT4RC4R** =
*LynxPOWER Mini-Line 4-Pole Male to Female Tee With Female Drop Right Key*

**Product**
PT = DeviceNet Drop Tee

**# of Poles**
5

**Gender & Configuration**
RC = Micro Male - Micro Female - Micro Female
RE = Micro Male - Micro Female - Cable with Female Straight
RG = Micro Male - Micro Female - Cable with Female Right Angle
*Configuration = Input - Output - Drop*

**Drop Key Position**
L = Key Toward Male
R = Key Toward Female

**Cable Gauge**
A = 22 & 24 AWG

**Output Cable Type**
DD = 22 & 24 AWG Gray PVC - THIN
HD = 22 & 24 AWG Gray PVC - THIN HI-FLEX

**Length (00.0)**
1st Digit = 10 x Length
2nd Digit = 1 x Length
3rd Digit = 0.1 x Length
*(Standard Length is: 0.3m)*
*(Leave blank if no cable)*

**Unit of Measure**
M = Meters
*(Leave blank if no cable)*

**Special Features**
X = Stainless Steel Coupler
N = Nylon Coupler

**COOPER** Interconnect

# Industrial Connectivity

table

| Project Name: | | Prepared By: |
|---|---|---|
| Project Number: | | Date: |
| Catalog Number: | | Type: |

## LynxPOWER™  DeviceNet™ Accessories | NEMA 6P; IEC IP 67/68

**KX5B**
**Mini-Male In-Line Terminator**

**PX5B**
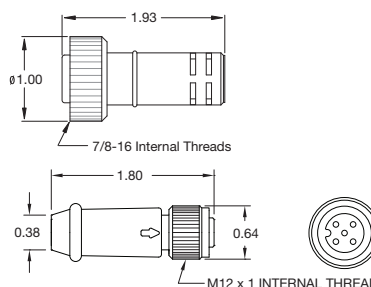**Male Drop Terminator**

## Accessories

### FEATURES
- Field attachable connectors allow users quickly repair damaged molded cordsets and allow users to create custom cordset lengths using their own cable.
- Easy to use set screw terminals on field attachables provide secure conductor to contact termination.
- Terminators are designed to minimize communication reflections.

### Terminators

**5-Pole: 8A**

*5 conductor*
- Male and Female options
- Manufactured with a 121 Ω resistor between CAN_H and CAN_L
- Multiple Trunk and Drop configurations to choose from
- Epoxy coated zinc coupler available
- IP68

1.93
Ø1.00
7/8-16 Internal Threads
1.80
0.38
0.64
M12 x 1 INTERNAL THREAD

### Field Attachables

**3-Pole, 4-Pole, 5-Pole: 5A/300V**

*5 Conductor*
- Impact resistant PVC body
- Supports THIN, THIN HI-FLEX, MID, THICK & THICK HI-FLEX cables
- Nickel plated brass coupler provide easy to use durable connection
- IP67

7/8"-16 UN THREADS
1.00
3.54
2.21 APPROX.
2.41 APPROX.
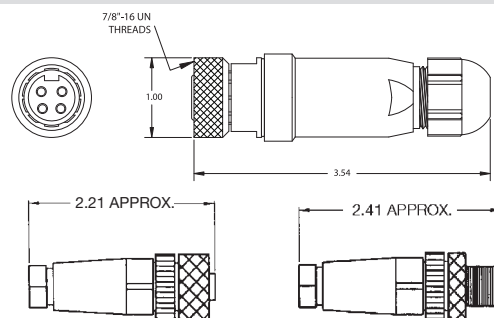
## Network Accessories

### Terminators, Attachables, & Caps

| Product | Description | Catalog No. |
|---|---|---|
| Trunk Terminator | Male Trunk Terminator | ☐ KX5B |
| | Female Trunk Terminator | ☐ KX5C |
| Drop Terminator | Male Drop Terminator | ☐ PX5B |
| | Female Drop Terminator | ☐ PX5C |
| Trunk Field Attachable | Male In-Line Trunk Field Attachable Plug | ☐ KF5B |
| | Female Trunk Field Attachable Plug | ☐ KF5C |
| Drop Field Attachable | Male In-Line Drop Field Attachable Plug | ☐ PF5B |
| | Female Drop Field Attachable Plug | ☐ PF5C |
| Caps | Internal Thread Cap for Male Trunk | ☐ KMC |
| | External Thread Cap for Female Trunk | ☐ KFC |
| | Internal Thread Cap for Male Drop | ☐ PMC |
| | External Thread Cap for Female Drop | ☐ PFC |

**COOPER** Interconnect

## A complete offering of industrial connectivity accessories

Select from a wide range of accessories to complete any industrial connectivity installation, including plex boxes, tees, splitters and other accessories. Visit www.cooperinterconnect.com for more information.

*Mini-Plex™ 6-Port LED PNP Circuit Interconnect Distribution Box*

*Micro-Plex™ 8-Port Network Interconnect Distribution Box*

### Plex Boxes

We offer a variety of Interconnect Distribution Boxes fitted with input and output Mini-Line™, Micro-Mini™ AC Dual Key, or Micro-Mini DC DIN fittings. Available in series or parallel wired circuit versions, LED PNP or NPN circuit versions, solenoid configurations, top or side mount outputs for virtually any application requiring mating to Mini-Line or Micro-Mini systems.

*SOFTPower Trunk to Drop Reducing Tee*

*Mini-Line Tapping Tee*

### Tees

Tees are available for each LynxPOWER family: SOFTPower™, Mini-Line, Micro-Mini, Pico-Line™, and Network. They come in a variety of styles, including tapping tees and reducing tees, many in standard and low-profile body styles. Body materials include Santoprene™ and PVC, chosen for their durability and to complement other LynxPOWER product materials.

*Micro-Mini Dual Key AC "Y" Splitter, Standard Body Style*

*Micro-Mini DC DIN "T" Splitter, Standard Body Style*

### Y & T Splitters

Splitters are available for the Micro-Mini family in either "Y" or "T" configurations. A low-profile body style is available in "Y" versions; all Micro-Mini splitters feature diecast zinc epoxy-coated vibration-resistant ratchet couplers for the same durability as our Micro-Mini cordsets.

*SOFTPower Change-Out to Mini-Line Reducing Adapter*

*Micro-Mini DC DIN Field Attachable*

### Other Accessories

A variety of other accessories are available for each LynxPOWER family. Choose from in-line field attachables in straight and right angle body styles, right angle adapters, ground adapters, Change-Out™ to Mini adapters, Mini to Micro adapters, network terminator assemblies, plus a variety of cordset and receptacle caps.

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