# Motor Controlled (MCC) Copper Cabling Bundle System

**PANDUIT®**

## specifications

The MCC copper cabling shall be pre-terminated and snap into DIN mounted patch panels and DIN rail systems for quick network deployment and easy moves, adds and changes. Cables shall be bundled in a loom and each bundle shall be wrapped with a Kevlar band. Each bundle shall include cable assembly identification for future traceability.



## technical information

| | |
|---|---|
| **Standards:** | MCC Cable Assembly meets or exceeds the requirements of IEEE 802.3, ISO 11801, and TIA-568-C standards for supporting 10GBASE-T requirements |
| | Connectors meet or exceed the requirements of IEC 60603-7-51 Meets all requirements for ISO 11801, ISO/IEC 24702, EN 50173, and TIA-568-C components, T568B wiring scheme |
| **Custom lengths:** | Minimum of 10 feet (3 meters) to a maximum of 250 (75 meters) in 10-foot increments |
| **Cabling weight:** | 5 lbs. (2.27 kg) at 10 feet (3m) up to 90 lbs. (40.82 kg) at 250 feet (75 m). |

## key features and benefits

| | |
|---|---|
| **Pre-terminated:** | Delivers consistent network performance while reducing installation time and on-site waste as compared to field-terminated installations |
| **Wide range of termination configurations and custom lengths:** | Pre-terminated jack modules and unterminated cable options in a variety of lengths provide design flexibility |
| **100% factory tested:** | Eliminates the time and cost associated with on-site testing and ensures verified performance (permanent link test data supplied with each cable assembly) |
| **Patch panel adapter:** | Snaps in and out of DIN rail patch panels and other Mini-Com® compatible products |
| **Kevlar wrap:** | Each bundle is wrapped with a Kevlar* band to ensure the bundle remains together |
| **Loomed cables:** | The cables are bundled by a loom to prevent alien cross-talk within the bundle |
| **Cable assembly identification:** | Includes part number, performance level, and serialized quality assurance number for future traceability; custom cable assembly and/or individual cable labels available upon request |

*Kevlar is a registered trademark of E.I. du Pont de Nemours and Company or its affiliates.

## applications

The Motor Controlled Cabinet (MCC) Copper Cabling Bundle System delivers a future-ready, easy to deploy solution to upgrade the physical network and support Ethernet based devices in motor control centers for holistic network connectivity. Implementing this retrofit solution will allow legacy MCCs to communicate via Ethernet networks, enabling equipment and power monitoring as well as predictive maintenance capability for energy and downtime savings without added maintenance costs. Built around standards and validated architectures with structured cabling elements, Panduit MCC Copper Cabling Bundle System provides a scalable and reliable approach for removing switches from MCC cabinets to an independent zone enclosure. This protects the switch from harsh environment of high voltage/noise power supplies and motors.

### MCC Copper Cabling Bundle System

| | |
|---|---|
| **Category 6A plenum:** | I4JPBJLU* |
| **Category 6A outdoor:** | I4KOTJLU* |

### MCC Cable Bundle Accessories

| | |
|---|---|
| **IndustrialNet™ 8-port DIN rail mounted patch panel:** | CDPP8RG |
| **Category 5e industrial grade patch cord:** | ISTPHCH**MTL |
| **Mini-Com® DIN Rail Mount Adapter to standard 35mm DIN rail:** | CADIN1IG |
| **IndustrialNet™ Category 6A 600V rated cable:** | ISFCH6X04A**-UG |

\* See part configurator on page 2
\*\* See panduit.com for patch cord length options

# Motor Controlled (MCC) Copper Cabling Bundle System

## MCC Cable Bundle Ordering Information

**EXAMPLE**

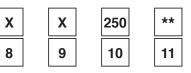| I4 | J | P | T | J | L | U | X | X | 250 | ** |
|----|---|---|---|---|---|---|---|---|-----|-----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

**1-I4 – IndustrialNet** Pre-terminated with loom of 4 cables

**2 – Pre-term Type**
J = Shielded Cat 6A – F/UTP
K = Shielded Cat 6A – SF/UTP

**3 – Cable Flame Rating**
P = Plenum (CMP)
O = Outdoor (CMX)

**4 – Cable Color**
B = Blue
T = Teal

**5 – Termination End 1**
J = Jack – No Stagger
K = Jack – Staggered Right
L = Jack – Staggered Left

**6 – Color for Termination End 1**
L = Black

**7 – Termination End 2**
J = Jack – No Stagger
K = Jack – Staggered Right
L = Jack – Staggered Left
U = Unterminated

**8 – Color for Termination End 2**
L = Black
X = Unterminated

**9 – Loom Options**
X = No Loom Options
P = Pulling Eye
H = Heat Shrink & Label for Unterminated option

**10 – Loom Length Increments in Feet**
10 – 250 FT

**11 – Overwrap Option**
L = Loomed
T = Tak-ty
E = Expandable Sleeving
B = 5M Expandable Sleeving & Tak-ty every 0.5M for Length >50 FT
G = Gaylord Packaging for Assemblies
S = 5M Expandable Sleeving Over Loomed Assembly for Lengths >50 FT

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