Motor Controlled (MCC) Copper Cabling Bundle System

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

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.
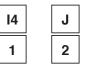
applications

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.

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MCC Cable Bundle Ordering Information

EXAMPLE

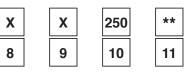| I4	J	P	T	J	L	U	X	X	250	**
1	2	3	4	5	6	7	8	9	10	11

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

Visit us at www.panduit.com/ia

iai@panduit.com

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