

4

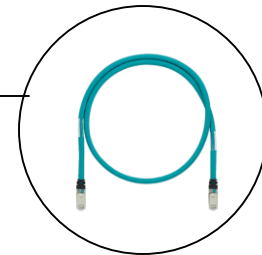
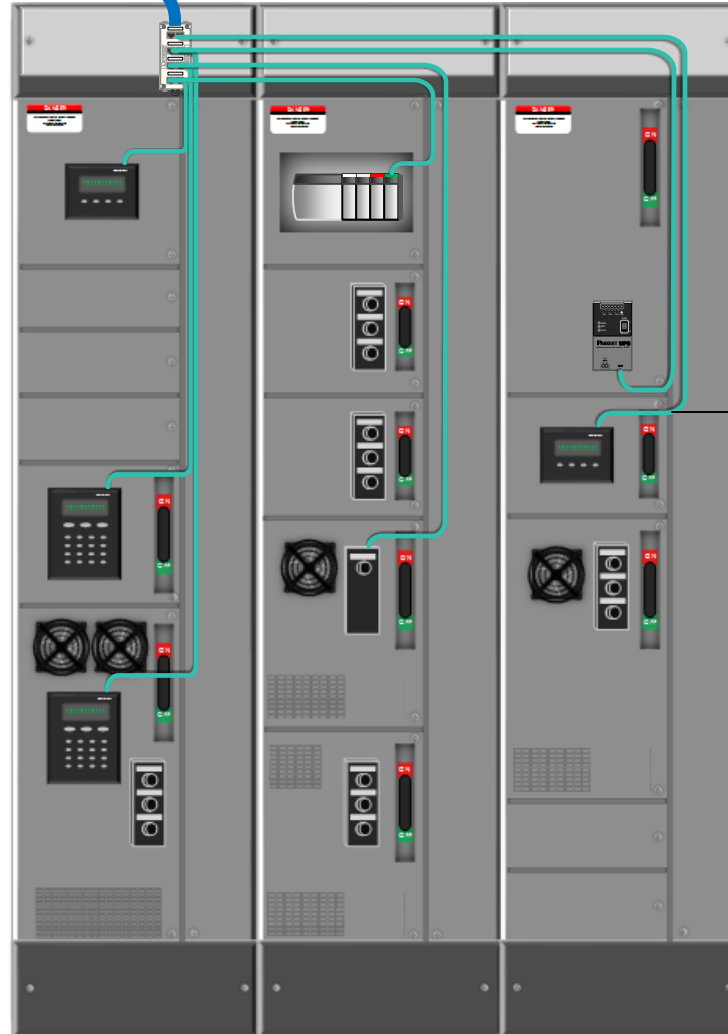
3

2

1

Motor Control Center with DIN Rail Industrial patch panel mounted in wireway, enabling Ethernet/IP devices across multiple sections

To Zone / IDF / MDC, see separate pages for more.



IndustrialNet™ Cat. 5e  
Shielded 600V-Rated  
Patch Cord

- MCC's were Ethernet-enabled by means of industrial switches.
- Due to the high noise and voltage environment of the MCC, Panduit presents the industrial DIN rail-mounted 8 port patch panel assembled with two loomed pre-terminated cable bundles.
- This innovative solution removes the consideration for noise and voltage by centrally locating the switch in an IZE, IDF, or MDC and enables a structured infrastructure deployment.

**Use this drawing when:**

- Deploying Motor Control Centers in an existing structured network to provide simplicity and robustness.

4

3

2

1

This page presents a Motor Control Center (MCC) deployment that is routed back to a Industrial Distribution Frame (IDF), while also presenting three options of cable routing.

D  
C  
B  
A

D  
C  
B  
A



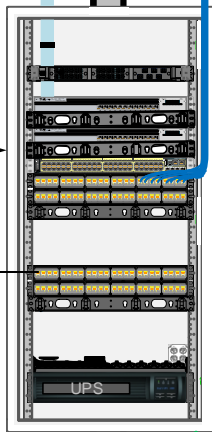
← OM4 Dielectric Conduited Fiber



**Options for Cable Routing**

- Wyr-Grid
- J-Pro Hooks
- Conduit

Panduit Pre-Configured Industrial Distribution Frame (IDF) is engineered to deploy and protect rack mount switches in industrial applications, providing faster installation times.

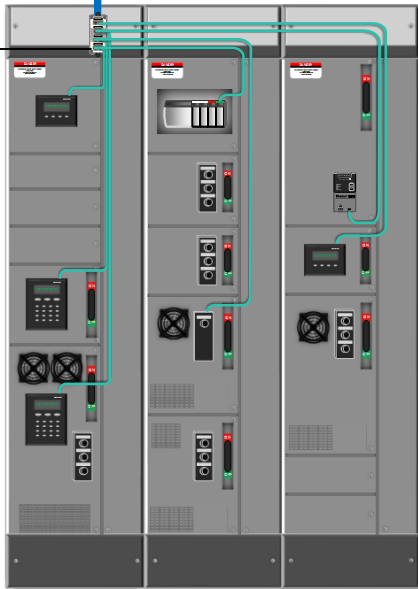


Mini-Com® TX6A™ 10Gig™  
Shielded Jack Modules

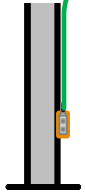


IndustrialNet™  
8-Port DIN Mount  
Copper Patch Panel

Panduit Wyr-grid,  
Electro Zinc plated



Pre-configured MCC cable bundle pre-terminated w/ RJ45 jack modules  
*(Recommendation: If bundle will be in close proximity to power cables select a 600V rated cable option.)*



Panduit grounding and bonding products

**Use this drawing when:**

- Deploying Motor Control Centers in an existing structured network to provide simplicity and robustness.

This page presents a Motor Control Center (MCC) deployment that is routed back to a Network Zone System with two industrial switches, while also presenting three options of cable routing.

D  
C  
B  
A




D  
C  
B  
A

4 3 2 1

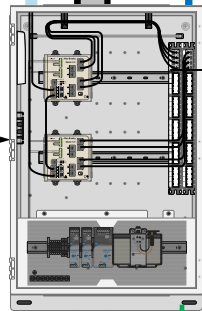


← OM4 Dielectric Conduited Fiber

**Options for Cable Routing**

-  Wyr-Grid
-  J-Pro Hooks
-  Conduit

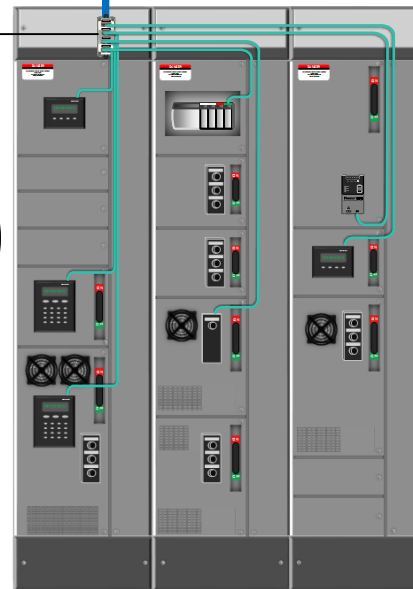
24" x 36" Network Zone System with industrial switches each with 2 1Gb MM fiber optic uplinks, redundant 100-250Vac power supply input and UPS pre-installed.



Panduit Wyr-grid, Electro Zinc plated



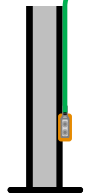
IndustrialNet™ 8-Port DIN Mount Copper Patch Panel



Pre-configured MCC cable bundle pre-terminated w/ RJ45 jack modules  
*(Recommendation: If bundle will be in close proximity to power cables select a 600V rated cable option.)*



Mini-Com® TX6A™ 10Gig™ Shielded Jack Modules



Panduit grounding and bonding products

**Use this drawing when:**

- Deploying Motor Control Centers in an existing structured network to provide simplicity and robustness.




4 3 2 1

This page presents a Motor Control Center (MCC) deployment that is routed back to a Micro Data Center (MDC), while also presenting three options of cable routing.

D  
C  
B  
A

D  
C  
B  
A

**Options for Cable Routing**

-  Wyr-Grid
-  J-Pro Hooks
-  Conduit



← OM4 Dielectric Conduited Fiber

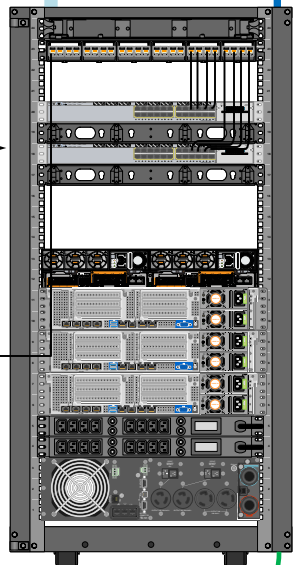


Panduit Wyr-grid,  
Electro Zinc plated

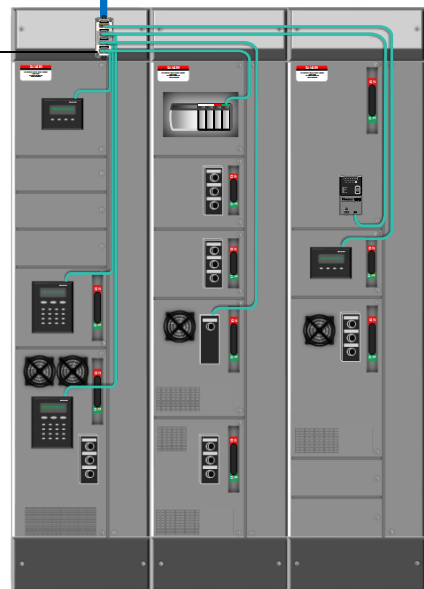
Pre-configured Micro Data Center,  
24 RU, includes two side panels,  
network cabling, patch panels,  
cable management, grounding,  
casters, shock pallet and ramp



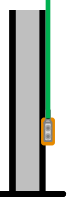
Mini-Com® TX6A™ 10Gig™  
Shielded Jack Modules



IndustrialNet™  
8-Port DIN Mount  
Copper Patch Panel



Pre-configured MCC cable  
bundle pre-terminated w/  
RJ45 jack modules  
*(Recommendation: If bundle  
will be in close proximity to  
power cables select a 600V  
rated cable option.)*



Panduit grounding  
and bonding products

**Use this drawing when:**

- Deploying Motor Control Centers in an existing structured network to provide simplicity and robustness.

4 3 2 1

## Bill of Materials

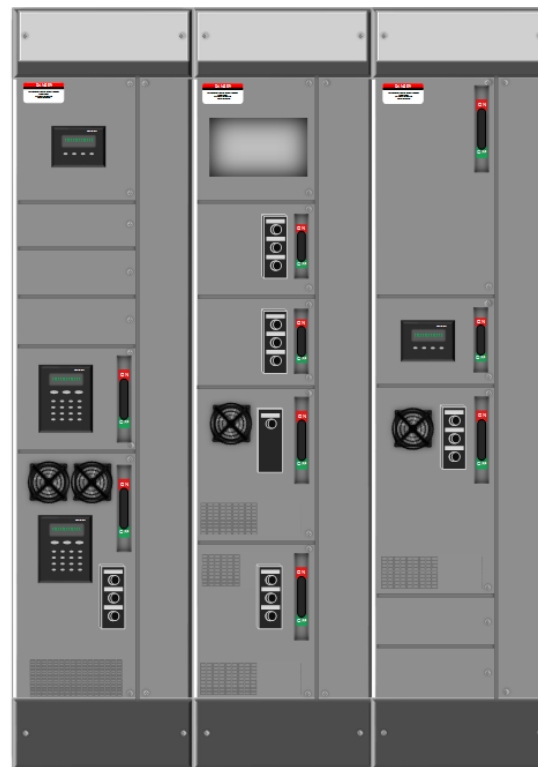
Part Number	Description
<b>Motor Control Center</b>	
CDPP8RG	IndustrialNet™ 8-port DIN rail mount copper patch panel
ISTPHCH**MTL	Patch cord, IndustrialNET, Cat. 5e, shielded, 600V, RJ45 plug to RJ45 plug, teal
Contact Panduit for Part Configuration	Pre-configured, loomed, and terminated four cable bundle
<b>Cabling, Connectors, and Pathways</b>	
FOADZ12	12-fiber OM4 Dielectric Conduited Fiber cable
ISTPHCH**MTL	Patch cord, IndustrialNET, Cat. 5e, shielded, 600V
CJS6X88TG**Y	Cat. 6a, RJ45, 8-position, universal shielded jack module
JP2SBC50-L20	J-Hook with screw-on beam clamp
WG12BL10	12" Wide Wyr-Grid straight section
HLB2S-C0	Tak-Ty® hook & loop stacked strip cable tie
<b>INZS, MDC, IDF</b>	
Z23N*****	Integrated network zone system. 24" x 36", mild steel enclosure
ZDF48-RA	Pre-configured industrial distribution frame enclosure for two access and two distribution switches
MDC***	Pre-Configured Micro Data Center, 24 or 42 RU, includes two side panels, network cabling, patch panels, cable management, grounding

## About this Configuration

Before the advent of optimized network architectures, Motor Control Centers (MCCs) were standalone enclosures. Now with the Internet of Things growing faster than ever, industrial equipment needs to be connected in a robust and smarter way. With Panduit, the deployment of this architecture becomes much easier. From shielded cable and connectivity to cable management and grounding solutions; Panduit has all the products needed to make your industrial network more secure and future ready.

## Purpose

Panduit's IndustrialNet™ 8-Port Din Rail patch panel allows you to replace the switch and remove these considerations while maintaining a structured cabling topology in your MCC deployment.



### For More Information

For more information, contact your local distributor, Panduit Sales Representative.  
[www.panduit.com/ia](http://www.panduit.com/ia) [iai@panduit.com](mailto:iai@panduit.com)

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