PANDUIT® infrastructure for a connected world

Industrial Networks Solution Guide

Industrial Network Solutions

Simplify industrial network deployment for better equipment optimization and broader risk management with reliable integrated IT and OT architecture.

The Panduit industrial physical network infrastructure solutions are the choice of many industry leading manufacturers, logistics and warehouse facilities, and process industries, including:

- Automotive, consumer goods, food and beverage, and industrial manufacturing
- E-commerce fulfilment centers, retail distribution centers, and material handling systems providers
- Process industries such as pulp and paper, water, and wastewater

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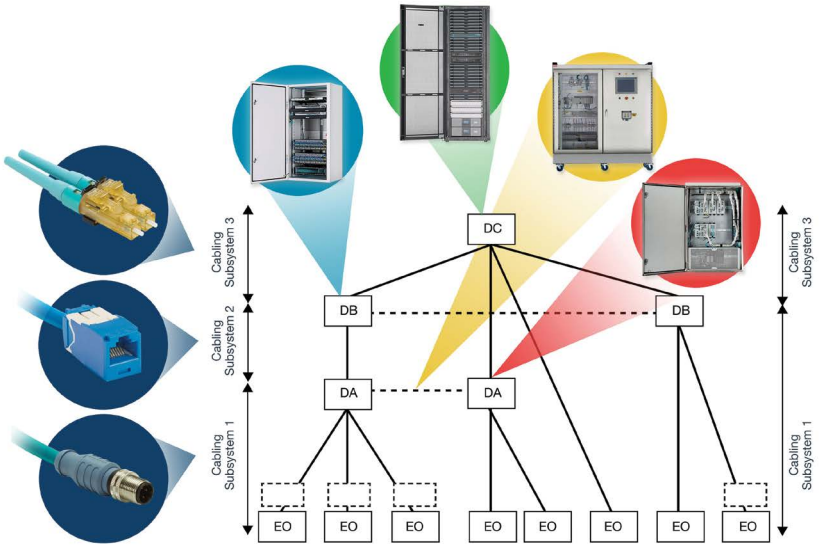
TIA – 1005: Overall Architecture with Cable and Connectivity

Populate your network, plant floor, and industrial environments with industry leading technology, standards-based solutions, and best practice design guidance for reliable and high-quality installations. Panduit industrial physical network solutions are built with industry-recognized structured cabling premises standards TIA-1005A and ISO/IEC 11801, EN 50173. These cabling and connectivity standards are well suited to support industrial and controls logical architectures including those based on ISA95 (Purdue model). Panduit contributes to standards committees such as IEEE, IEC, TIA, ODVA, NEC.

Turning Standards into Solutions

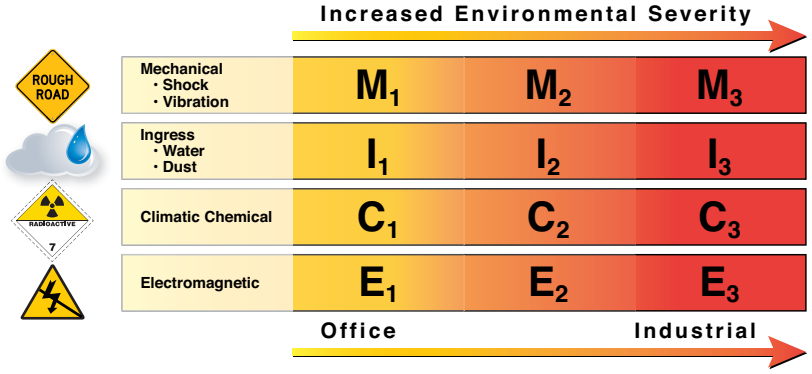


TIA-1005-A Model with Panduit Physical Layer Infrastructure Solutions

- Industrial Distribution Frame
- Micro Data Center
- Control Panel
- Network Zone System
- Cabling and Connectivity

TIA-1005-A M.I.C.E. Rated Product Selection Guide

Whether you are designing for the factory floor, work area or automation island, Panduit offers solutions that meet the TIA-1005-A M.I.C.E. guidelines. This selection guide provides the industrial physical infrastructure designer with detailed M.I.C.E. information about each of Panduit's network products typically considered in industrial environments.



Partner Smarter

Our global network of distributors provides local inventory, product support, and logistics services so customers can expect to receive exactly what they need, when they need it. Find a Panduit distributor in your area here.

Panduit Distributor Program

Panduit One℠ Partners include highly skilled installers, contractors, and system integrators who are trained and certified to design, develop, and deploy high-performance electrical and network infrastructures.

To learn more about the Panduit One Partner program, visit http://www.panduit.com/panduit-one-partner-program.

Panduit ONE PARTNER PROGRAM

Panduit Professional Services

Panduit Professional Services (PPS) provide critical services to assist our customers and partner community with operations, remediations, maintenance, and building reliable and scalable physical infrastructure systems to support the adoption and deployment of emerging technologies in the industrial space.

PPS offers three categories of service:

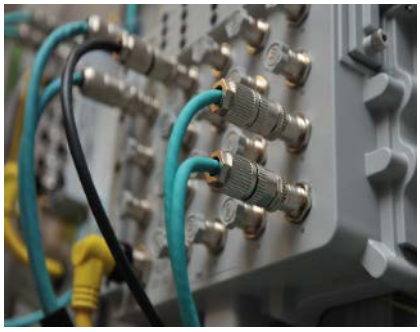
- Assess
- Design
- Deploy

All services are performed by industry leading Solutions Architects who are Building Industry Consulting Service International (BICSI) Registered Communications Distribution Designers (RCDD).

Our Solutions Architects possess extensive, real world field experience in installation, maintenance, and repair of all aspects of the physical infrastructure. These subject matter experts provide detailed project deliverables based strictly on compliance to codes, industry standards, and best practices.

Learn more about Panduit Professional Services

Smart Control Panel

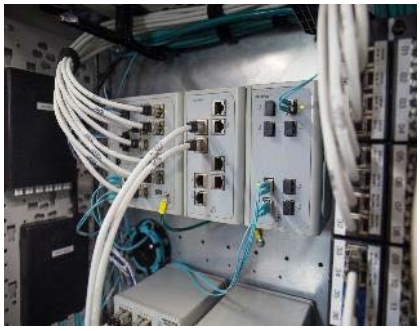


The manufacturing plant floor is undergoing dramatic changes that require businesses to adopt new strategies to fully utilize industrial Ethernet through things such as advanced motor controls and control architectures to improve efficiencies, increase productivity and drive out costs. The increasing number of Ethernet nodes on the plant floor and the need to measure productivity in real-time are frequent challenges. Greater use of Ethernet-connected advanced controllers, computers and high-speed motion control and power electronics require new design strategies beyond traditional panel selection and layout. This ensures the automation systems deliver improved network performance and accommodate an increasing use of industrial Ethernet managed switches and networked devices.

Copper and fiber connectivity for harsh environment deployments, DIN rail-mountable patching devices, motor control center (MCC) connectivity, and uninterruptible power supplies are integrated into the control panel design for a complete network-connected control panel. In the following pages you will see pieces and parts that work together to deliver high-end industrial solutions including quality control panels.

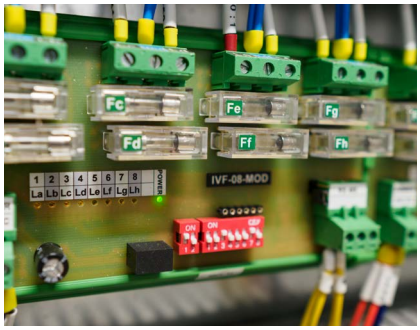
Learn more about Panduit Control Panel Solutions

Pre-Configured Solutions



Another practice that has risen to prominence are pre-populated and pre-configured network enclosures. The solution allows companies to rapidly deploy or expand without bearing the time and expense to build a custom enclosure. These solution elements follow the structure of TIA-1005A and the ISA-95 Converged Industrial Architecture – with appropriate enclosure solutions for access, distribution and core network hardware. Enclosure designs are validated electrically and thermally to eliminate risk during installation and commissioning. Active component placement within the enclosure is optimized for function, thermal performance, and maintainability.

Single Pair Ethernet



Single Pair Ethernet (SPE) is a simple but powerful new physical layer technology that allows you to easily extend data and power to the edge of the network.

SPE is an evolution of Ethernet technology that revolutionizes data accessibility and device control in industrial automation applications. Building on the ubiquity of Ethernet for communications, SPE can replace serial controls, delivering more bandwidth at a greater distance, plus power to enable digital transformation. The SPE interface supports legacy technologies while enabling migration to the future.

Industrial Adapters and Patch Panels

CADIN1IG-S

Part Number	Part Description	TIA 1005 Location	M	I	C	E
Mini-Com® DIN Rail Mount Adapter						
CADIN1IG-S	Shielded Mini-Com® DIN Rail Mount Adapter mounts to standard 35mm DIN rail and accepts any single port Mini-Com® Module, International Gray	Cabling Subsystems 1 and 2	–	1	–	–

For additional colors, replace IG (International Gray) with BL (Black)
Part is also available as unshielded, remove "-S"

CDPP8RG-S

IndustrialNet™ DIN Rail Mount Copper Patch Panel						
CDPP8RG-S	Shielded 8-port RJ45 DIN mounted patch panel mounts to standard 35mm DIN rail and accepts any single port Mini-Com® Module, International Gray	Cabling Subsystems 1 and 2	1	1	1	2

Also available as unshielded, remove "-S"

FDME8RG

FDPPSIG

FDPPEIG

IndustrialNet™ DIN Rail Mount Fiber Enclosure						
FDME8RG	8-port RJ45 DIN mounted patch panel mounts to standard 35mm DIN rail and accepts any single port Mini-Com® Module, International Gray	Cabling Subsystems 1 and 2	1	1	1	3
FDPPSIG	IndustrialNet™ DIN Rail Fiber Optic Patch Panel with GP21 cable entry gland, for use with FAPs			–		
FDPPEIG	IndustrialNet™ DIN Rail Fiber Optic Patch Panel with GP21 cable entry gland, for use with FAPs and OptiCom® Cassettes					

IndustrialNet™ Connectors

IAEBH5ES, IAEBH6S, IAEBHC6S

ICAM12DRJS

ISPS5E44MFA

ISPS6A88MFA

Part Number	Part Description	TIA 1005 Location	M	I	C	E
Industrial Bulkhead Connector with Protective Cover						
IAEBH5ES	Category 5e, 8-position, 8-wire shielded industrial connector with protective cover	Cabling Subsystems 1 and 2	3	3	2	2
IAEBH6S	Category 6, RJ45, 8-position, 8-wire shielded, Black industrial bulkhead connector with protective cover					
IAEBH6XS	Industrial Ethernet Connector Category 6A, STP					
Industrial Bulkhead Coupler with Protective Cover						
IAEBHC6XS	Category 6, Shielded Industrial Ethernet Coupler	Cabling Subsystems 1 and 2	3	3	2	2
Industrial Mini-Com® Coupler Module						
IAEBHUSBAA	IndustrialNet™ Mini-Com® USB 2.0, female A to female A coupler module	Cabling Subsystems 1 and 2	3	3	2	2
Industrial M12 Connectors						
ICAM12DRJS	Category 5e, M12 D-code to RJ45 industrial adapter, panel mount	Cabling Subsystems 1 and 2	1	1	1	2
Industrial Field Terminable Plugs						
ISPS5E44MFA	Category 5e 4-position, IndustrialNet™ M12 D-Code Plug, for use with stranded 26/7 – 22/7 AWG, UTP copper cable	Cabling Subsystem 1	3	3	1	2
ISPS6A88MFA	Category 6A, IndustrialNet™ M12 X-Code Plug, field terminable					

Single Pair Ethernet T1-L

SP-1LSA22BL

SP-18SA42BL

Part Number	Part Description	TIA 1005 Location	M	I	C	E
SP-1LSA22BL	Single Pair Ethernet Shielded Plug Connector, Terminates 18 AWG 1-Pair Shielded Copper Cable; IP20 Performance	Cabling Subsystem 0-1	-	-	-	-
SP-18SA42BL	IndustrialNet™, M8 Male, 4-Pin, A-Code, Field Terminable Single Pair Ethernet Connector.					

Shielded Field Terminable Plug

FPS6X88MTG

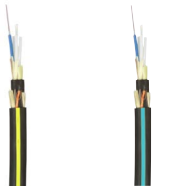
Part Number	Part Description	TIA 1005 Location	M	I	C	E
FPS6X88MTG	TX6A™ Category 6A Shielded Field Terminable RJ45 Plug	Cabling Subsystem 1	3	3	1	2
FPE6X88MTG	Category 5e Shielded Field Terminable RJ45 Plug					

Mini-Com® Jack Module

CJS6X88TGY

Part Number	Part Description	TIA 1005 Location	M	I	C	E
CJS6X88TGY	Category 6A shielded, TG-style Mini-Com® Module, 8 pos., 8 wire, universal, Black	Cabling Subsystem 1	1	-	-	2

Fiber Cable, Patch Cords, and Adapters



FSJD912 FOJDZ12

F92ERLNLNSNM001

CMDSLCZEI

CMDSAQLCZBL

Part Number	Part Description	TIA 1005 Location	M	I	C	E
Dielectric Double Jacketed (DDJ) Cable						
FSJD912	9µm, OS2 12 Fibers, Indoor/Outdoor DDJ Cable, Riser (OFNR-LS), LSZH	Cabling Subsystems 1 and 2	3	1	3	3
FOJDZ12	50µm, OM4 12 Fibers, Indoor/Outdoor DDJ Cable, Riser (OFNR-LS), LSZH					
Patch Cords						
F92ERLNLNSNM001*	OS2 2f 1.6 mm PC OFNR LC Duplex/LC Duplex, Std. Polarity, Std. IL, 3m	Cabling Subsystems 1 and 2	1	–	–	3
FZ2ERLNLNSNM001*	OM4 2f 1.6mm PC OFNR LC Duplex/LC Duplex, Std. Polarity, Std. IL, 3m					
Fiber Adapters						
CMDSLCZEI	Singlemode, Duplex LC Fiber Adapter (Blue) with Module (Electric Ivory), Zirconia	Cabling Subsystem 1	1	–	–	3
CMDSAQLCZBL	Multimode, Duplex LC 10 GbE Fiber Adapter (Aqua) with Module (Black), Zirconia					
Mini-Com® Fiber Adapters						
CMDSLCZEI	Singlemode, Duplex LC Fiber Adapter (Blue) with module (Electric Ivory), zirconia	Cabling Subsystem 1	1	–	–	3
CMDSAQLCZBL	Multimode, Duplex LC 10 GbE Fiber Adapter (Aqua) with module (Black), zirconia					
CMDBUSCZBL	Multimode, Duplex SC Fiber Adapter (Blue) with module (Black), zirconia					

*For additional lengths, visit panduit.com or contact your local sales representative

Industrial Copper Patch Cords

ISTPHCH1MTL

ISTP6X3MBL

MPSI588T

Part Number	Part Description	TIA 1005 Location	M	I	C	E
IndustrialNet™ 600 V Patch Cords						
ISTPHCH*MTL	Category 5e, shielded, 600 V, RJ45 plug to RJ45 plug	Cabling Subsystems 1 and 2	1	1	1	2
ISTPH6X*MTL	Category 6A, shielded, 600 V rated, RJ45 plug to RJ45 plug	Cabling Subsystem 1				

*Lengths available in meters: 0.3, 0.6, 1, 2, 3, 5, 10, 15, 20.
Additional color option available: replace TL (Teal) with BL (Black).

Industrial Grade Patch Cords with Dust Caps						
ISTP6X3MBL	Category 6A shielded bulkhead RJ45 patch cord with caps	Cabling Subsystems 1 and 2	3	3	2	2

*Lengths available in meters: 1, 2, 3, 5
^Lengths available in feet: 3, 5, 7, 10

Modular Plugs						
MPI588T	Category 5e unshielded modular plug with bulkhead, 8-position, 8-wire, for use with 24 AWG, shielded copper cable	Cabling Subsystems 1 and 2	3	3	2	2
MPSI588T	Category 5e shielded modular plug with bulkhead, 8-position, 8-wire, for use with 24 AWG, shielded copper cable					

Industrial Accessories

IAEFP2-2G

Part Number	Part Description	TIA 1005 Location	M	I	C	E
IndustrialNet™ Faceplates						
IAEFP1	Vertical faceplate accepts one IndustrialNet™ Bulkhead Connector or Adapter	Cabling Subsystems 1 and 2	–	3	–	–
IAEFP2-2G	Double gang, vertical faceplate accepts two IndustrialNet™ Bulkhead Connectors or Adapters					

Popular Configuration Drawings (PCDs) demonstrate typical industrial network designs and best practice solutions with illustrated design considerations. Reference the PCD library at www.panduit.com/pcds when upgrading an existing network or beginning a new network design to improve network reliability and performance.

IndustrialNet™ Copper Cable for Category 5e, Category 6 and Category 6A Ethernet

ISFCH5C02ATL-XG

ISFCH5C04ATL-XG

ISFCH6X04ATL-UG

ISFCH6X04BTL-UG

ISFX5502ATL-LED

ISX6X04ATL-LED

Part Number	Part Description	TIA 1005 Location	M	I	C	E
ISFCH5C02ATL-XG	Category 5e, industrial (CM/CMX outdoor), 2-pair, SF/UTP copper cable; stranded copper conductors are 24/7 AWG with HDPE insulation, covered with a TPE jacket; rated for 600 V panel or on-machine applications when the space is shared with high voltage power cables	Cabling Subsystem 1, 2 and 3	2	–	2	2
ISFCH5C04ATL-XG	Category 5, Industrial (CM/CMX outdoor), 4-pair, SF/UTP copper cable; conductors are 24/7 AWG with HDPE insulation, covered with a TPE jacket; rated for 600V panel or on-machine applications when the space is shared with high voltage power cables					
ISFCH6X04ATL-UG	Category 6A, industrial, 4-pair, 24/7 AWG Stranded, SF/UTP, CMR, rated for 600V panel or on-machine applications when the space is shared with high voltage power cables, Oil Res., UV Res					
ISFCH6X04BTL-UG	Category 6A, industrial, 4-pair, 26/7 AWG Stranded, SF/UTP, CMR, rated for 600V panel or on-machine applications when the space is shared with high voltage power cables, Oil Res., UV Res					
ISFX5502ATL-LED	Category 5e, industrial, 2-pair, SF/UTP copper cable, stranded copper conductors are 24/7 AWG with PE insulation; covered with a PUR jacket, cable tested to support high flex and torsion applications					
ISX6X04ATL-LED	Category 6A, industrial, 4-pair, S/FTP, PUR; 24/7 AWG stranded copper cable					

Ethernet/IP Category 7 Harsh Environment

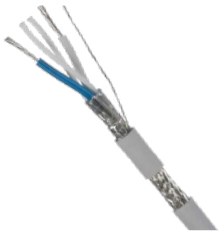
PSM7004IG-KEM

PSMD7004BL-LED

PSMDA7004BL-LED

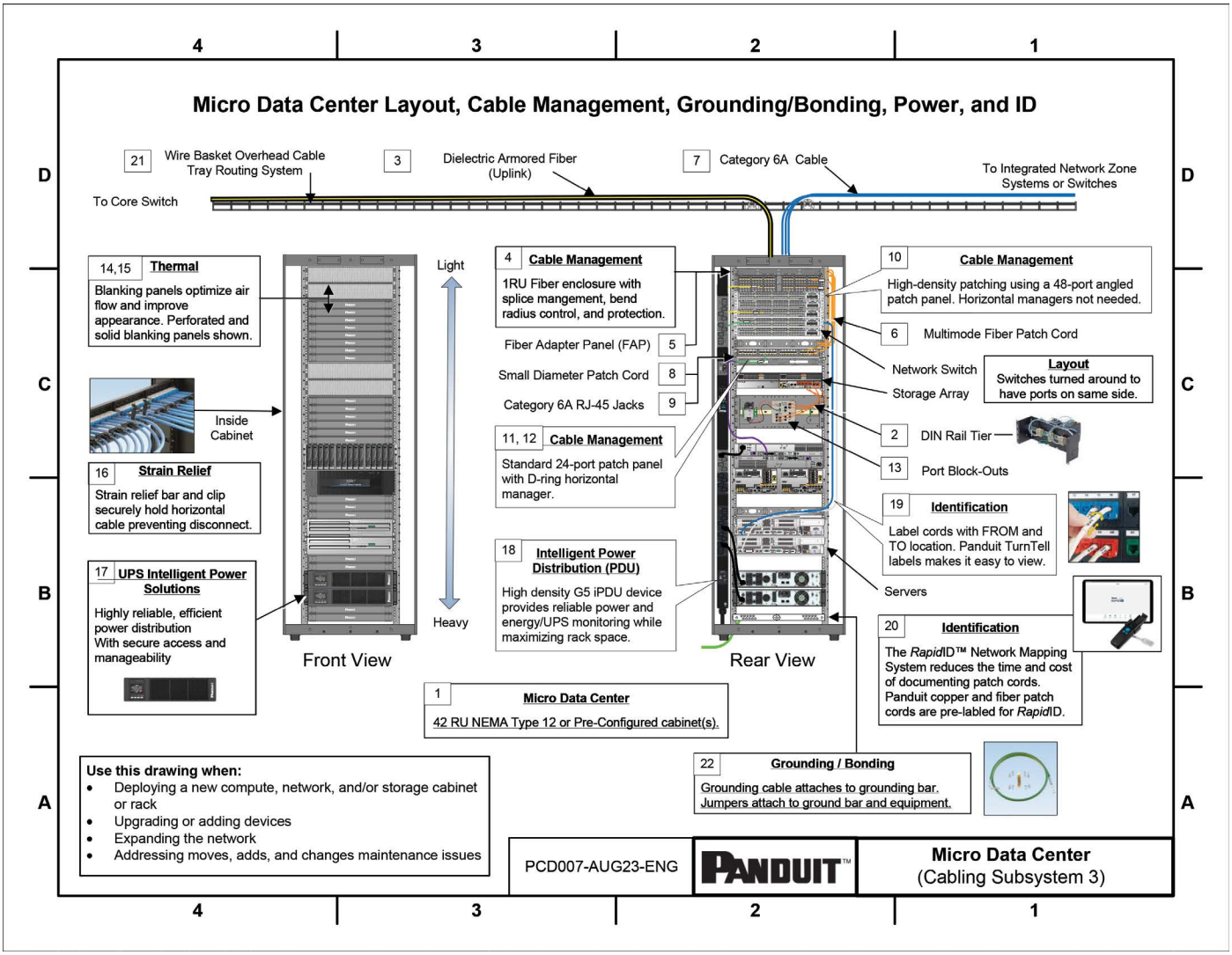
Part Number	Part Description	TIA 1005 Location	M	I	C	E
PSM7004IG-KEM	Category 7, harsh environment, low smoke, halogen free, fire retardant (LSHF-FR), 4-pair S/FTP marine copper cable; stranded conductors are 4x2/0.27mm+2+; Oil res., Fuel res	Cabling Subsystem 2-0	2	–	2	2
PSMD7004BL-LED	Category 7, harsh environment, LSZH, 4-pair, S/FTP marine copper cable; SHF2 compliant; Oil res., UV and MUD res					
PSMDA7004BL-LED	Category 7, harsh environment, LSZH, 4-pair, S/FTP armored marine copper cable; SHF2 compliant; Oil res., UV and MUD res					

Single Pair Ethernet T1-L



SP-SFCS1IG-CEG

Part Number	Part Description	TIA 1005 Location	M	I	C	E
SP-SFCS1IG-CEG	Single Pair Ethernet shielded copper cable, 18/7 AWG stranded, S/FTP, CM/CMR, 1000 ft./305m reel in a box	Cabling Subsystem 0-1	–	–	–	–



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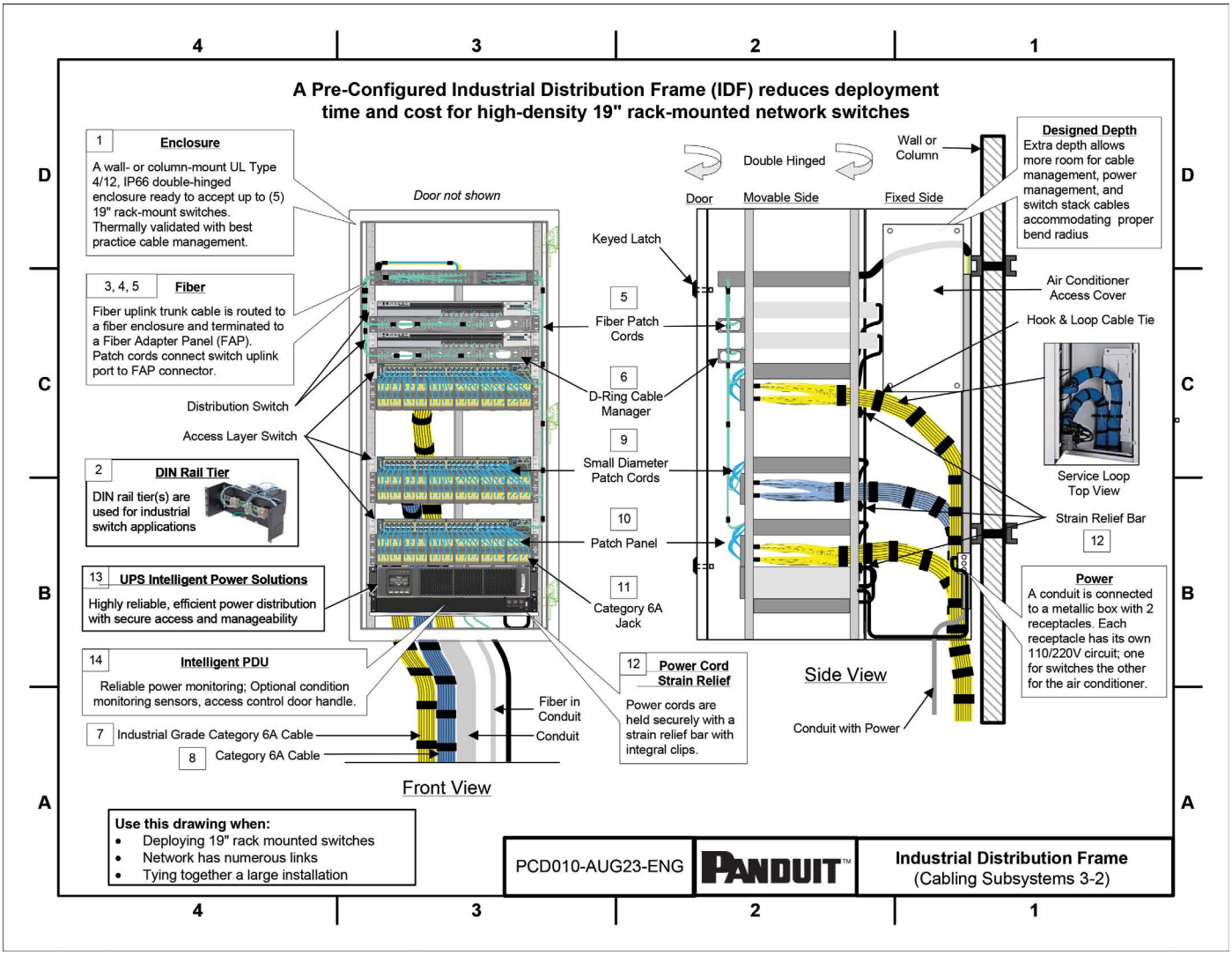
Pre-Configured Micro Data Center (MDC)

- Pre-configured solution enables fast deployment of servers, storage, and switches for an industrial network
- Dynamic rated version ensures safe transport of IT equipment under typical shipping conditions
- Includes space for future expansion of server, storage, and related patching to allow for increased network capacity without requiring addition to control room footprint
- Bonded structure helps ensure network reliability and prevent equipment failure
- Integrated cable management with bend radius control maintains bandwidth through the network for increased uptime
- Reference architecture provides a physical map of the logical network layer following recommended installation practices to increase reliability

MDC82NN

Part Number	Height In. (mm)	Width In. (mm)	Depth In. (mm)	Description	No. of Rack Units	Color
MDC79	79.8 (2026)	27.6 (700)	48.0 (1219.2)	Single Hinge Perforated Front Door, Split Perforated Rear Doors, Split Side Panels (2), Network Cabling, Patch Panels, Cable Management, Grounding, and Casters	42	Black
MDC79D				Dynamic, Single Hinge Perforated Front Door, Split Perforated Rear Doors, Split Side Panels (2), Network Cabling, Patch Panels, Cable Management, Grounding, Casters, Shock Pallet and Ramp		
MDC82NN	78.7 (2000)		47.2 (1198.9)	NEMA Type 12, IP55, Single Hinge Front Door with Windowed Glass, Single Hinge Rear Door, Solid Side Panels (2), Side Panel, Network Cabling, Patch Panels, Cable Management, Grounding, and Casters		Light Gray
MDC82NS				NEMA Type 12, IP55, Single Hinge Front Door Gray with Windowed Glass, Single Hinge Rear Door, Solid Side Panel (1), Side Panel with Cutout for 8-12k BTU AC (1), Network Cabling, Patch Panels, Cable Management, Grounding, and Casters		
MDC82NL				NEMA Type 12, IP55, Single Hinge Front Door with Windowed Glass, Single Hinge Rear Door, Solid Side Panel (1), Side Panel with Cutout for 20k BTU AC (1), Network Cabling, Patch Panels, Cable Management, Grounding, and Casters		



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Pre-Configured Industrial Distribution Frames

- Engineered to deploy and protect 19" rack mount Ethernet switches in industrial applications
- Pre-configured, wall mount design delivers up to 25% faster implementation
- Defined equipment locations and cable routings incorporate Panduit best practices in connectivity, cable management, wiring and grounding
- Additional back-end space allows for 3X the cooling capacity over typical deployments
- Key-locking handle limits access to authorized personnel for a secure network
- Detailed installation guide provides easy instructions assuring consistency and saving time on the job-site
- UL Type 4/12 or 4X, UL 508A Listed, IP66 Rated

ZDF242430

ZDF48-RA

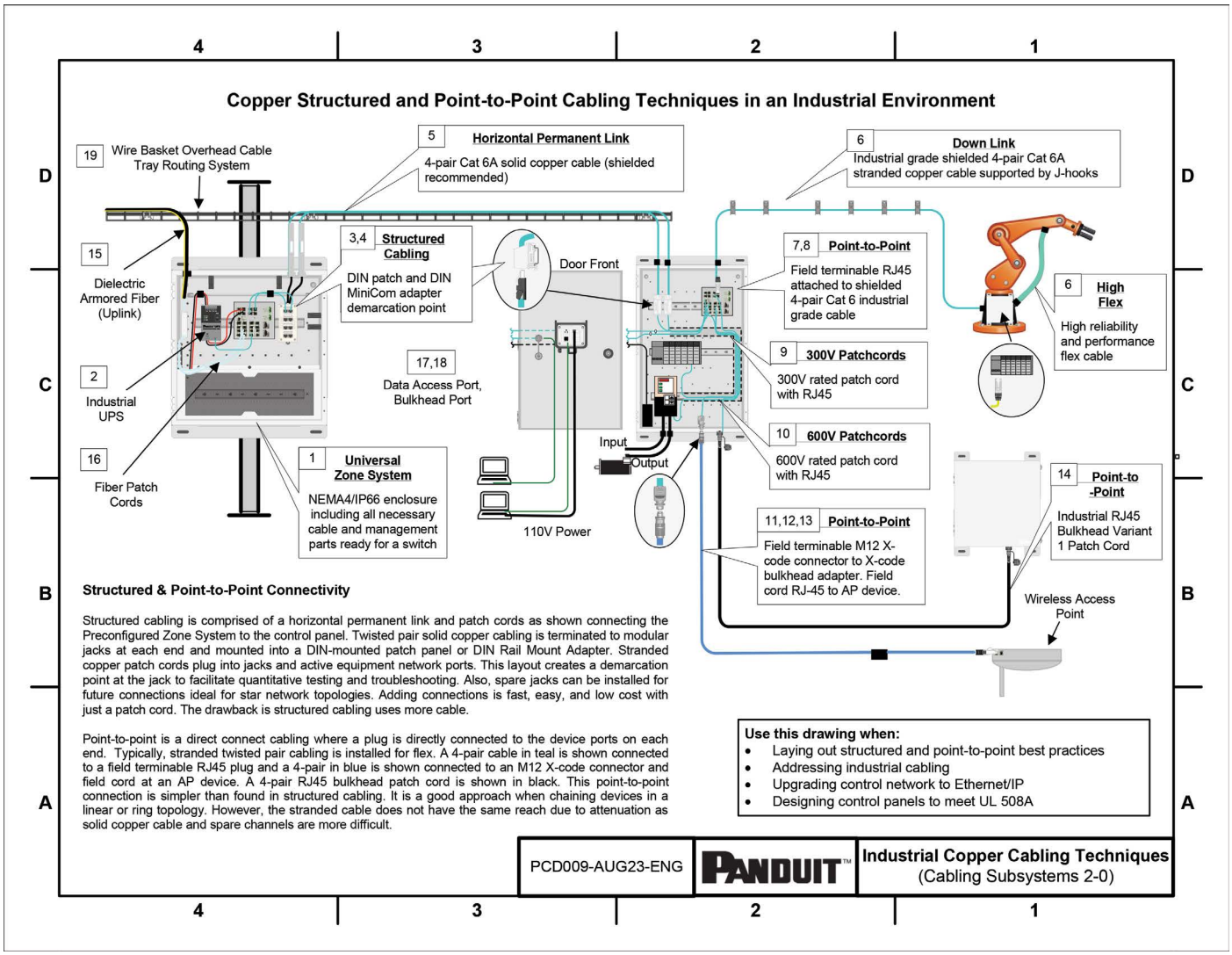
Part Number	Enclosure Material	Included Accessories	Power Infrastructure
12U Industrial Distribution Frame for Two Access or Two Distribution Switches			
ZDF242430	Mild Steel	Two 48-Port Patch Panels, Fiber Tray, Fiber Spools, Back Panels, 10" DIN Rail, 30" Length of Duct	–
ZDF242430-6	316 Stainless Steel		
26U Industrial Distribution Frame for Two Access and Two Distribution Switches			
ZDF48-RA	Mild Steel	Two 48-Port Patch Panels, Fiber Tray, Fiber Spools, Back Panels, 10" DIN Rail, 30" Length of Duct	Two Duplex Power Receptacles and Four Power Cables
ZDF48-6RA	316 Stainless Steel		

Pre-Configured Industrial Distribution Frame With Access Control

ZDF242430DA2

ZDF48-RADA2

Part Number	Enclosure Material	Included Accessories	Power Infrastructure
12U Industrial Distribution Frame with Access Control for Two Access or Two Distribution Switches			
ZDF242430DA2	Mild Steel	SmartZone™ Security Handle with Dual Frequency (125 kHz and 13.56 MHz) Card Reader	One Intelligent Power Distribution Unit (iPDU)
26U Industrial Distribution Frame with Access Control for Two Access or Two Distribution Switches			
ZDF48-RADA2	Mild Steel	SmartZone™ Security Handle with Dual Frequency (125 kHz and 13.56 MHz) Card Reader	One Intelligent Power Distribution Unit (iPDU)



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Network Zone Systems

- Universal design works with most DIN mount industrial Ethernet switches, providing design flexibility
- Pre-configured solution delivers up to 75% faster implementation
- Designed to accept customer supplied switches
- Copper/fiber patch fields and connectivity enable troubleshooting of network connections
- Isolation barrier segregates higher line voltage from lower voltage switch for increased safety
- Bonding provisions and grounding bar ensure path to ground to protect personnel and equipment
- Detailed installation guide provides easy, repeatable design instructions assuring consistency and saving time on the job-site
- UL Type 4/12 or 4X, UL 508A Listed, CE Approved, IP66 Rated

Z23U

Part Number	Enclosure Material	Downlink Port Connectivity	Included Accessories	Power Infrastructure
24" x 36" Universal Network Zone; for Two Industrial Switches				
Z23U-S25S	Mild Steel	Category 6A STP	Sixteen Copper Patch Cords and Jacks, Six LC Adapters, Four LC OM3 Patch Cords	Redundant Power Supplies with One Maintenance-Free UPS
Z23U-S25		Category 6 UTP		Redundant Power Supplies with Battery Based UPS
Z23U-S21				
Z23U-S21S				
Z23U-S24S				
Z23U-S24				
Z23U-S25				
Z23U-621S				
Z23U-621				
Z23U-624S				
Z23U-625				
24" x 24" Universal Network Zone; for One Industrial Switch				
Z22U-S15	Mild Steel	Category 6 UTP	Eight Copper Patch Cords and Jacks, Six LC Adapters, Two LC OM3 Patch Cords	Redundant Power Supplies with One Maintenance-Free UPS
Z22U-S15S		Category 6A STP		
Z22U-S11S				
Z22U-S11				
Z22U-S14S				
Z22U-S14				
Z22U-611				
Z22U-614S				
Z22U-614				
Z22U-615S				

Z22U-S15S

24" x 36" Pre-Configured Network Zone; for Two Industrial Switches				
Z23C-S	Mild Steel	Category 6 UTP	Sixteen Copper Patch Cords and Jacks, Six LC adapters, Four LC OM3 Patch Cords	–
Z23C-SS				
Z23C-6				
Z23C-6S				
24" x 24" Universal Network Zone; for One Industrial Switch				
Z22C-S	Mild Steel	Category 6 UTP	Eight Copper Patch Cords and Jacks, Six LC Adapters, Two LC OM3 Patch Cords	–
Z22C-SS				
Z22C-6				
Z22C-6S				

Z23C-S

Products are also available in stainless steel and shielded connectivity options.

Universal Distribution Frames

- Engineered to deploy and protect Industrial Ethernet DIN mount switches in industrial applications
- Pre-configured, wall mount design delivers up to 75% faster implementation
- Pre-engineered power infrastructure with redundant power supplies, optional UPS, wiring, labels, terminal blocks, and disconnects
- Defined cable routings incorporate Panduit best practices in connectivity, cable management, wiring and grounding
- Additional back-end space allows for 3X the cooling capacity over typical deployments
- Key-locking handle limits access to authorized personnel for a secure network
- Detailed installation guide provides easy instructions assuring consistency and saving time on the job-site
- UL Type 4/12 or 4X, UL 508A Listed, CE Approved, IP66 Rated

ZDF24-S25

ZDF48-S65

Part Number	Enclosure Material	Included Accessories	Power Infrastructure
12U Universal Distribution Frame for Industrial DIN Mount Switches			
ZDF24-S25	Mild Steel	One 48-Port Patch Panel and One 4U DIN Mount Bracket to Support Two Switches	One Maintenance Free UPS, Redundant Power Supplies AC to DC, Terminal Blocks and Wiring for 120 V AC Input
26U Universal Distribution Frame for Industrial DIN Mount Switches			
ZDF48-S65	Mild Steel	Three 48-Port Patch Panels, Three 4U DIN Mount Brackets to Support Six Switches	Three Maintenance-Free UPS, Redundant Power Supplies AC to DC, Terminal Blocks and Wiring for 120 V AC Input

Universal Distribution Frame Tiers

ZDINS24

Part Number	Description
ZDINS24	Tier for 2 industrial switches, one 48-port patch panel, one 4U DIN bracket, two power supplies AC to DC, terminal blocks, wiring for 120 V AC input to support two industrial DIN mount switches
ZDINS25	Tier for 2 industrial switches, one 48-port patch panel, one 4U DIN bracket, one maintenance-free UPS, two power supplies AC to DC, terminal blocks, wiring for 120 V AC input to support two industrial DIN mount switches

Industrial Network Uninterruptible Power Supply (UPS)

- Supports industrial switches during power outages
- Ultracapacitor technology decreases downtime risk by up to 40%*
- Maintenance-free operation contributes to 50–70% reduced cost of ownership*
- Non-HazMat
- Remote management with auto alerts works with standard web browsers and EtherNet/IP**
- Easy device monitoring through SNMP v1/V2c/V3
- Wide operating temperature range -40°C to +60°C
- Compact, one-piece design saves 50% or more DIN Rail space compared to similar UPS devices

UPS003LSM

UPS00100DC

Part Number	Description
UPS003LSM	UPS Load Sense Module; Optional Accessory for Use in Dual, Redundant Power Supply Configurations to Monitor Load on Primary Supply
UPS00100DC	Uninterruptible Power Supply (UPS), 100W; No-Battery, Maintenance-Free with Remote Management; 24-28 VDC In/Out; DIN Rail Mount

*Compared to battery-based UPS devices
**EtherNet/IP is a trademark of ODVA

Wireless Access Point Enclosures

- Accommodates the most popular Wireless Access Points
- Fiberglass construction and aluminum mounting plate allows quick and easy access point installation
- Provisions for padlocks to protect against tampering and theft
- Include pre-configured mounting template and connectivity kit with 2-position outlet box, Mini-Com®
- TX6™ PLUS Jack Module, TX6™ PLUS Patch Cord, silicone sealant and grounding cable
- UL 508A Listed, NEMA 4X and IP66 Rated

PZNWE12

Part Number	Connectivity Kit	External Dimensions	Internal Dimensions
Power over Ethernet Applications			
PZNWE12	UTP	13.56" H x 13.47" W x 6.56" D (344.4mm x 342.1mm x 166.6mm)	11.70" H x 11.70" W x 6.29" D (297.2mm x 297.2mm x 159.8mm)
Traditional AC Power Applications			
PZNWE14	UTP	15.50" H x 13.50" W x 6.25" D (393.7mm x 342.9mm x 158.8mm)	13.53" H x 11.55" W x 5.94" D (343.7mm x 293.4mm x 150.9mm)

Why Choose Panduit?

When it's your vision to connect technology, systems, and people on a global scale, you don't have to build it alone. That's why we built a support team that is committed to earning your trust and providing a superior customer experience the world over, and a partner ecosystem that spans the project lifecycle, from planning and design to delivery, deployment, maintenance, and operation. For further information on the Panduit industrial networks solution, visit https://www.panduit.com/en/solutions/applications/industrial-networks.html.

Panduit Corp.
World Headquarters
Tinley Park, IL 60487

800.777.3300

www.panduit.com

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