



**Color Coding Legend**

Green	Ground	Blue	Enterprise
Yellow	Fiber	Cyan	Industrial 600V

# ← BOM reference (Ref.) number on back page

PCD015-DEC2022-ENG



**Warehouse Facility Network**

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A

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B

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C

D

D

# Bill of Materials

Ref.	Part Number	Description
<b>Fiber, Copper Cable, and pathways</b>		
1	FODPZ12Y	50um OM4 12 Fiber Indoor Distribution Cable, Plenum (OFNP), 900um buffered fibers
2	FLCDMCXAQY	LC OM3/OM4 multimode duplex connector for 900um
3	PWB2X12BL	Wire Basket Cable Tray Routing System to route and manage copper, fiber optic, or power cables
4	PUP6AHD04BU-G	Vari-MaTriX HD Category 6A Copper Cable, Plenum (CMP), UTP, with 0.23" outside diameter
5	FOJDZ12**	OM4 fiber, Dielectric Double Jacketed (indoor/outdoor), Riser, Low Smoke Zero Halogen, Multimode, 12 fiber
5	FSJD912**	OS2 fiber, Dielectric Double Jacketed (indoor/outdoor), Riser, Low Smoke Zero Halogen, Singlemode, 12 fiber
6	FOPPZ12Y	50um OM4 12 Fiber Indoor Armored Cable, Plenum (OFCP)
7	JP2W-L20	J-Pro™ cable support system, for wall mount applications, one 1/4" (M6) mounting hole for user supplied screw, 2" max. bundle capacity, nylon 6.6 with metal attachments, black, 50pc. package
8	ISFCH6X04ATL-UG	Copper Cable, Industrial Category 6A 4-pair, 24/7 AWG Stranded, SF/UTP, CM/CMX, 600V, Oil Res., Teal, 1000ft reel
<b>Cabinets, Enclosures and SmartZone Hardware</b>		
9	PZNWE12 PZNWE14	Wireless enclosure designed for traditional AC power applications. Includes UTP connectivity kit. Outside dimensions: PZNWE12 is 13.6"H x 13.5"W x 6.6"D PZNWE14 is 15.5"H x 13.5"W x 6.25"D
10	PZLRB2U	PanZone® Overhead distribution rack expands rack space above a rack or cabinet to maximize space in data centers and telecommunication rooms. The Rack can be mounted to most industry ladders or suspended from the ceiling in numerous configurations. Steel, Black, 2U, 4U, or 6U
11	ZDF48-RA	Pre-Configured industrial distribution frame enclosure ready for two access and two distribution switches. Available in several sizes and stainless steel versions.
12	WME6BL	TrueEdge™ vertical wall mount enclosure, 6RU, allows up to 36" of active equipment depth, mounted in a low-profile application. Houses 6RU of passive equipment and 6RU of active equipment
13	Z23*	Pre-Configured Network Zone System, 24" x 36", stainless steel enclosure, for two industrial switches, includes (16) Cat 6 UTP copper patch cords and jacks, (4) MMLC fiber patch cords with (6) adaptors, backplane and cable management. Available in mild steel, stainless steel or sloped versions and various levels of integration.
14	P24G01M	SmartZone G5 Monitored Switched Per Outlet (MSPO Series) Rack PDU, 30 A Single Phase, 208V, (20) C13 & (4) C19 receptacles, NEMA L6-30P plug and measures 68.9"L x 2.05"W x 2.1" D, Black
15	U01N11V	SmartZone UPS, 1kVA, 2RU, 120V, VRLA, single phase, double-conversion on-line power protection with intelligent network card and rail kit.
<b>Connectors, Cord sets, and Patch Cords</b>		
16	FC-ICCP0.5MBU	Category 6A UTP FieldCord™ Connector easily connects network devices, especially those with limited space for cords or RJ45 plugs, to network cabling.
17	FPU6X88MTG	Angled TX6A, Category 6A UTP Field Term RJ45 Plug, field termination of 4-pair twisted pair cable. Category 6A performance, compatible with Category 6 & 5e unshielded systems.
18	POEXKIT1	1-port PoE Extender Kit, Includes 1 port transmitter and 1 port Receiver Box, 60 W Power Supply, No power plug
19	FPS6X88MTG	TX6A Shielded Field Term RJ45 Plug is a simple to attach plug for field termination of 4-pair shielded twisted pair cable. Category 6A performance, compatible with 6 & 5e shielded systems.
20	UTP28SP7BU	Category 6 Performance, 28 AWG UTP patch cord with TX6™ Modular Plugs on each end. Blue, 7 feet. Also available in other colors, lengths, and wire gauge size.
21	CJ6X88TGBL	Category 6A, RJ45, 8-position, 8 wire, 10 Gb/s UTP Mini-com universal jack module, black

\* Several versions of part available, not a complete part number, \*\*Additional fiber counts available.

## About this Configuration

Panduit offers a reliable end-to-end network physical layer infrastructure from the enterprise to the edge that simplifies network deployment in warehouse facility locations.

## Connecting Enterprise to Warehouse

The Micro Data Center (MDC) is the hub of a network deployment containing servers, switches and other active gear.

- Different size network/server racks and cabinets
- Patching and cable management
- Network physical security
- Identification and color coding
- Grounding and power

## Distributing Ethernet in Warehouse

Solutions and products to connect MDC, Zone enclosures, switches, controllers, and other active gear.

- Integrated Network Zone System
- Industrial Distribution Frame (IDF)
- Pathways like J-Pro™ hooks and Wire Basket
- Overhead distribution racks
- Full line of copper and fiber distribution products

## End Device Connectivity

Warehouse deployments include different types of end devices such as; security/machine monitoring cameras, AV equipment, PoE lighting, remote monitoring equipment, etc.

- Field terminable RJ45 connectors
- All varieties of patch cords (Colors, lengths, wire gauge size, keyed, etc.)
- Industrial copper cable and connectivity
- PoE extender kits

For more information contact your local distributor, Panduit Sales Representative, or the Panduit Industrial Network Infrastructure team at [networkinfrastructure@panduit.com](mailto:networkinfrastructure@panduit.com).

