

» Connecting the Automated Industrial Environment

Industrial Automation applications differ from typical deployments seen in enterprises as they tend to incorporate the use of structured point-to-point cabling in harsh environments such as the factory floor. Choosing a PanGen® Industrial Automation system provides a robust solution for environments outside the enterprise or data center, resulting in maximum process uptime. These standards-based solutions comply with various industry standards, such as TIA, ODVA and ISO, resulting in measurable high performance and data transfer.

Additional benefits of PanGen® Industrial Automation Solutions include:

- Durable cable construction options; 600 V rated cabling for UL 508A control panel applications, PVC, PUR or TPE, High flex, oil and sun resistance cable options available
- High-performance field attachable RJ45 and M12 D-code 4-pin solutions ensure highest performance combined with rapid and reliable deployment
- Alignment to Cisco/Rockwell Converged Plant-Wide Infrastructure Conforms best practices put forward from leading network infrastructure and control equipment vendors
- Use of common routes and pathways and industrial automation zoned areas facilitates ease of planning and fault finding as well as supporting Moves, Adds and Changes (MACs)

Part Number	Performance Level/Cable Type	Conductors	Jacketing
Industrial Stranded CM Copper Cable – 4-Pair			
IUC5C04ABL-CEG	Category 5e, U/UTP	24/7 AWG stranded conductors with HDPE insulation, twisted in pairs.	PVC, flame-retardant CM jacket
IFC5C04BBL-CEG	Category 5e, F/UTP	26/7 AWG stranded conductors with HDPE insulation, twisted in pairs and surrounded by an overall metallic foil.	PVC, CM jacket
IUC6C04ABL-CEG	Category 6, U/UTP	24/7 AWG stranded conductors with HDPE insulation, twisted in pairs.	PVC, CM jacket
IFC6C04BBL-CEG	Category 6, F/UTP	26/7 AWG stranded conductors with HDPE insulation, twisted in pairs and surrounded by a metallic foil shield.	PVC, flame-retardant CM jacket

Part Number	No. of Pairs	Conductors	Jacketing
Industrial 600 V Rated, SF/UTP, CM/CMX Outdoor Copper Cable - Category 5e			
ISFCH5C02ATL-XG	2-Pair	24/7 AWG conductors with HDPE insulation, twisted in pairs and surrounded with a foam polypropylene tape to form a core. Both pairs are surrounded by an overall braided shield and metallic foil.	TPE jacket for high flex industrial Ethernet applications
ISFCH5C04ATL-XG	4-Pair		

Industrial SF/UTP, LSZH - Category 5e			
ISFCH5C02ATL-XG	2-Pair	24/7 AWG conductors with PE insulation, twisted in pairs and surrounded by an overall metallic foil and braided sleeve.	PUR jacket for enhanced chemical resistance and mechanical performance
ISFCH5C04ATL-XG	4-Pair	24/7 AWG conductors with HDPE insulation, twisted in pairs and surrounded with a foam polypropylene tape to form a core. Both pairs are surrounded by an overall braided shield and metallic foil.	TPE jacket for high flex industrial Ethernet applications

Part Number	Module Type	Compatible Cable
Industrial Modular Plugs		
ISPS5E44MF	M12 D-Code	Stranded 26/7 - 22/7 AWG Category 5e, UTP Copper Cable.
ISPS688FA	RJ45	Solid 24/1 - 22/1 AWG and stranded 27/7 - 22/7 AWG, Category 6A, UTP and STP.

Part Number	Description
Industrial Adapter	
ICAM12DRJS	Category 5e, M12 D-code to RJ45 industrial adapter, panel mount.

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Part Number	Performance Level/Cable Type	Description
Industrial Connectors and Couplers with Protective Bulkhead Cover		
IAEBH5E	Category 5e, UTP	Category 5e, 8-position, 8-wire industrial connector with protective cover.
IAEBH5ES	Category 5e, Shielded	Category 5e, 8-position, 8-wire shielded industrial connector with protective cover.
IAEBHC5E	Category 5e, UTP	Category 5e, RJ45, 8-position, 8-wire industrial black bulkhead coupler with protective cover.
IAEBH6	Category 6, UTP	Category 6, RJ45, 8-position, 8-wire black industrial bulkhead connector with protective cover.
IAEBH6S	Category 6, Shielded	Category 6, RJ45, 8-position, 8-wire shielded black industrial bulkhead connector with protective cover.
IAEBHC6	Category 6, UTP	Category 6, RJ45, 8-position, 8-wire black industrial bulkhead coupler with protective cover.

Part Number	Performance Level/Cable Type	Various Foot Lengths	Various Meter Lengths
Industrial Patch Cords with Protective Bulkhead			
IUTPCH3BLY	Category 5e, UTP	5, 7, 10, 15, or 20	—
IUTPSP3BL	Category 6, UTP		—
ISTPCH1MBLY	Category 5e, Shielded	—	1M, 2M, 3M, or 5M
ISTPSP1MBL	Category 6, Shielded	—	

Part Number	Performance Level/Cable Type	Various Meter Lengths	Various Color Options
600 V Rated Industrial Patch Cord with Protective Bulkhead			
ISTPHCH1MTL	Category 5e, Shielded	0.3M, 0.6M, 2M, 3M, 5M, 10M, 15M, or 20M	TL (Teal), BL (Black), RD (Red), BU (Blue), GY (Gray), or YL (Yellow)

Part Number	Description
DIN Rail Compatible	
CDPP8RG	IndustrialNet™ 8-port DIN rail mount copper patch panel. Mounting latches securely mount unit to standard DIN rail in industrial applications. Can also mount to other surfaces using mounting holes in latches. Includes screws to attach faceplate and Ultimate ID labels and clear label covers.
CADIN1IG	Mini-Com® DIN Rail Mount Adapter mounts to standard 35mm DIN rail and accepts any single port Mini-Com® Module. Includes a label and label cover.
Modular Patch Panel	
CWPP12WBL	12-port patch panel supplied with three factory installed CFFP4 snap-in faceplates with integrated wall mount bracket.

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