IndustrialNet™ M12 D-Code to RJ45 Panel Mount Adapter

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

M12 D-code to RJ45 industrial adapters shall be applicable for use in manufacturing as well as other industrial environments and shall meet or exceed the requirements of the ANSI/TIA-568-C.2 Category 5e, IS 11801 Class D, IEC 61076-2-101 and ODVA Ethernet/IP and PROFINE standards. The adapter housing shall be constructed of Nylon GF. Th adapter shall incorporate an ingress protection rating of IP20 on the RJ45 side and IP68 on the M12 side when mated. The adapter shall offer an extended temperature range as required for more demanding applications. The adapter shall be easily field installable without any special tools.



TECHNICAL INFORMATION

Electrical/ mechanical performance:	Exceeds channel requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D at swept frequencies up to 100MHz meets the requirements of IEC 61076-2-101 and the ODVA Ethernet/IP^ and PROFINET standards
IEC compliance:	Meets IEC 61076-2-101
IP compliance:	Rated IP20 (RJ45) and IP68 (M12 side)
RoHS compliancy status:	Compliant
Temperature rating:	Operating -13°F to 176°F (-25°C to 80°C) Storage -40°F to 176°F (-40°C to 80°C)
Packaging:	1 unit per PE bag, 10 units per carton

KEY FEATURES AND BENEFITS

Robust construction:	Nylon GF housing with full 360° shielding for secure data transmission in high noise (EMI/RFI) environments, exceed the requirements of IEC 61076-2-101 for vibration, mating cycles, and insertion/withdrawal force
Field attachable:	Can be assembled without any special tools

APPLICATIONS

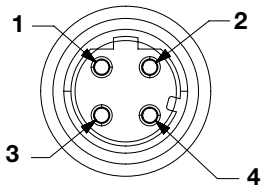
IndustrialNet adapters provide an ideal solution to support Industrial Ethernet from the Local Area Network (LAN) based support offices to the processing devices on the plant floor. The M12 D-code to RJ45 industrial adapter is a key component to an overall Industrial Ethernet application. The adapter will be the interface that protects the integrity of the Ethernet data transfer from the switch or PLC out to the devices or up to the horizontal plant backbone. The adapter is of a nylon GF construction and fully shielded for use in high noise (EMI/RFI) environments. The adapter is easily field installable for on-site installation and also offers an extended temperature range -13°F to 176°F (-25°C to 80°C) for use in more demanding applications such as manufacturing facilities where temperature extremes are the norm.

IndustrialNet M12 D-Code to RJ45 Panel Mount Adapter	
Panel mount adapter:	ICAM12DRJS
IndustrialNet Category 5e SF/UTP Copper Cable	
CM 4-pair:	ISFCH5C04A*-XG
IndustrialNet M12 D-Code Field Terminable Plug	
Field terminable plug:	ISPS5E44MFA
IndustrialNet Category 5e Shielded 600 V-Rated Patch Cords	
CM/CMX:	ISTPHCH^M**
Mini-Com® Modular Patch Panel	
8-port:	CDPP8RG
DIN Rail Adapter	
1-port:	CADIN1***

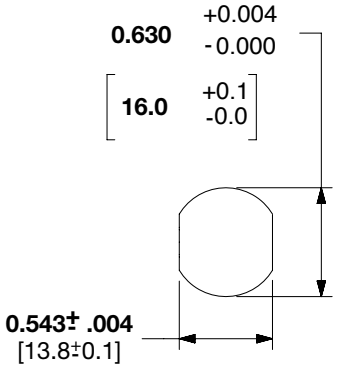
*Colors: TL (Teal), BL (Black), RD (Red), BU (Blue), GY (Gray), or YL (Yellow)
**Colors: TL (Teal) and BL (Black)
***Colors other than Off White: BL (Black) and IG (International Gray)
^Meter lengths: 0.3, 0.6, 1, 2, 3, 5, or 10 meters
+EtherNet/IP is a trademark of ODVA.

IndustrialNet™ M12 D-Code to RJ45 Panel Mount Adapter

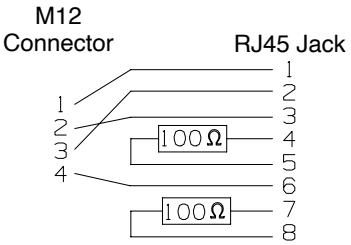
ENGINEERING DRAWINGS



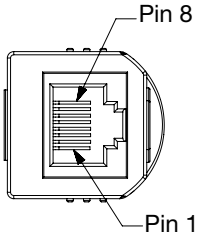
Pin Assignments
Front View



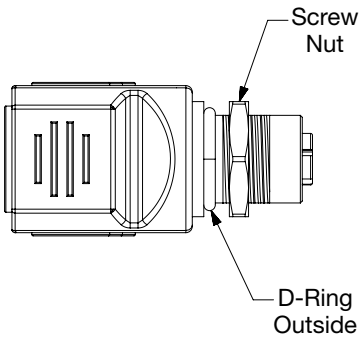
M12 Recommended
Panel Cut-Out

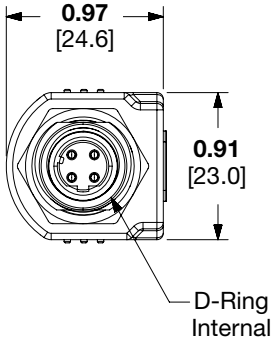


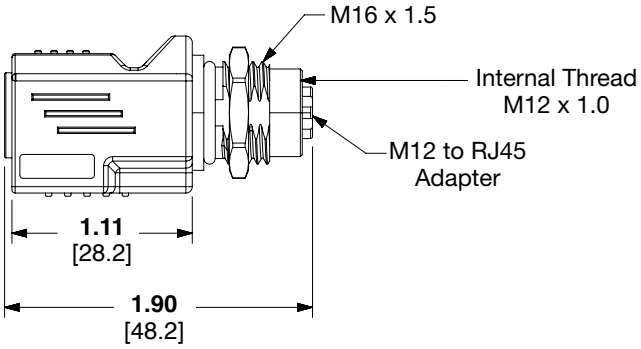
Adapter Shielded
M12 D Code to RJ45



RJ45 Connector







Dimensions are in inches. [Dimensions in brackets are metric].

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

© 2024 Panduit Corp.
ALL RIGHTS RESERVED.

COSP337-WW-ENG
7/2024