

4-Pin M12 D-Code Cordset

Features

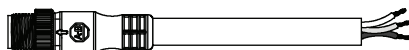
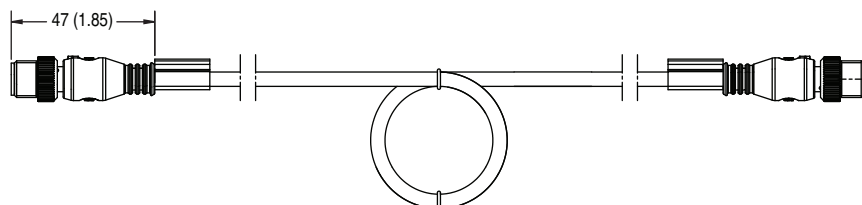
- Over-molded housing suitable for IP67 applications and harsh industrial environments where extreme vibration, shock, chemicals, and temperature are found
- Flex-rated cable (cable must be tied down and not flexed within six inches of the connector)
- Single-ended cordsets can be custom terminated with one of several field attachable connectors
- Designed to ODVA EtherNet/IP™ specifications and ISO IEC 24702, IEC 61918
- Twisted pairs maintain signal balance through cable to provide high noise immunity and return loss
- Suitable for noise environments $M_3I_3C_3E_3$

Specifications

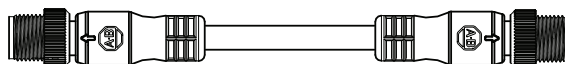
Mechanical	
Coupling Nut Material	Nickel-plated brass
Housing Material	Polyurethane (PUR)
Contact Material	Gold-plated brass
Cable Type	Unshielded Teal TPE, 4-conductor, stranded tinned wire, Industrial Cat5e, UL Listed, weld splatter, sun light and oil resistant
Cable Diameter [mm (in.)]	5.84 (0.23)
Bend Radius	—
Electrical	
Cable Rating	Unshielded: Standard TIA 568-B, flex rated, 24 AWG: UL, CMA, CMX, cUL and CMG Shielded: Standard TIA 568-B, flex rated, 26 AWG, halogen-free, C(ETL)US Type CMX
Environmental	
Enclosure Type Rating	IP67
Operating Temperature [C (F)]	-40...+75 ° (-40...+167 °)

Approximate Dimensions

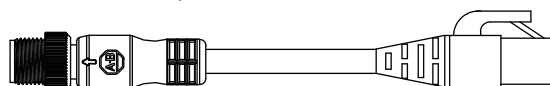
Dimensions are in millimeters (inches). Illustrations are not drawn to scale.



Example of Cordset

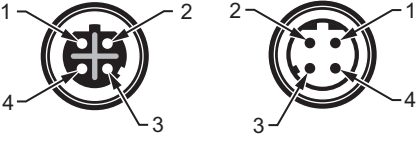
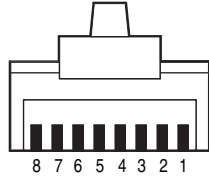


Example of M12 to M12 Patchcord



Example of M12 to RJ45 Patchcord

Pinout

Color Code	Face View Pinout		Face View RJ45 Pinout	
	4-Pin		8-Pin	
				
A	1 White-Orange 2 White-Green 3 Orange 4 Green	1 White-Orange 2 Orange 3 White/Green 4 Blue 5 White/Blue 6 Green 7 White/Brown 8 Brown	TxData + TxData - Recv Data + Unused Unused Recv Data - Unused Unused	1 White/Orange 2 Orange 3 White/Green 4 NA 5 NA 6 Green 7 NA 8 NA TxData + TxData - Recv Data + — — Recv Data - — —

Product Selection

M12 Cordset

First End Connector	Second End Connector	Cable Type	Cat. No.*
Male M12 D-Code, Straight	Flying Leads	Unshielded twisted pair, 4-conductor, Teal TPE, flex rated	1585D-M4TB-2
		Foil and braided shield, 4 conductor, teal PUR, flex rated, halogen-free	1585D-M4UB-2

M12 Patchcord

First End Connector	Second End Connector	Cable Type	Cat. No.*
Male M12 D-Code, Straight	Male M12 D-Code, Straight	Unshielded twisted pair, 4 conductor, teal TPE, flex rated	1585D-M4TBDM-2
Male M12 D-Code, Right Angle	Male M12 D-Code, Right Angle		1585D-E4TBDE-2
Male M12 D-Code, Straight	Male M12 D-Code, Right Angle		1585D-M4TBDE-2
Male M12 D-Code, Straight	Female M12 D-Code, Straight		1585D-M4TBDF-2
Male M12 D-Code, Straight	Male M12 D-Code, Straight	Foil and braided shield, 4 conductor, teal PUR, flex rated, halogen-free	1585D-M4UBDM-2
Male M12 D-Code, Right Angle	Male M12 D-Code, Right Angle		1585D-E4UBDE-2
Male M12 D-Code, Straight	Male M12 D-Code, Right Angle		1585D-M4UBDE-2
Male M12 D-Code, Straight	Female M12 D-Code, Straight		1585D-M4UBDF-2

M12 to RJ45 Patchcord

First End Connector	Second End Connector	Cable Type	Cat. No.*
Male M12 D-Code	RJ45	Unshielded twisted pair, 4 conductor, teal TPE, flex rated	1585D-M4TBJM-2
		Foil and braided shield, 4 conductor, teal PUR, flex rated, halogen-free	1585D-M4UBJM-2

* Replace -2 (2 m) with 1 (1 m), 5 (5 m) or 10 (10 m) for additional standard cable lengths.

Accessories

Description	Channel Bandwidth	Cat. No.
RJ45 insulation displacement connector (IDC)	Cat. 6	1585J-M8CC-H*
RJ45 crimp connector with boot	Cat. 5e	1585J-M8CC-C†

* Qty. = 1 piece.

† Qty. = 50 pieces.