

Connection Cables - Data

Industrial Ethernet Shielded M12 D-coded Cables

Features

- High flex industrial Ethernet shielded Cat5e cables
- Resistant to welding sparks
- Flame retardant, chemical resistant
- TPE (thermoplastic elastomer) wire insulation for applications requiring high flexibility
- HDPE (High Density Polyethylene) wire insulation for excellent insulation properties and abrasion resistance

Ethernet Shielded M12 D-coded Cables							
Part Number	Price	Number of Wires	Connectors	Cable Jacket/ Wire Insulation Material	Jacket Color	Length m [ft]	Drawing Link
7700-44511-S4U0060	\$,-1lfj:	4	Axial male to axial male	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)	Teal	0.6 [1.9]	PDF
7700-44511-S4U0100	\$,-1lfj:					1.0 [3.2]	PDF
7700-44511-S4U0300	\$,-1lf :					3.0 [9.8]	PDF
7700-44511-S4U0500	\$5edb:					5.0 [16.4]	PDF
7700-44511-S4U0750	\$5edc:					7.5 [24.6]	PDF
7700-44511-S4U1000	\$5edd:					10 [32.8]	PDF
7700-44511-S4U1500	\$5ede:					15 [49.2]	PDF
7700-44541-S4U0060	\$,-1lf#:		Axial male to 90-degree male			0.6 [1.9]	PDF
7700-44541-S4U0100	\$,-1lf!:					1.0 [3.2]	PDF
7700-44541-S4U0300	\$,-1lf?:					3.0 [9.8]	PDF
7700-44541-S4U0500	\$5edf:					5.0 [16.4]	PDF
7700-44541-S4U0750	\$5edg:					7.5 [24.6]	PDF
7700-44541-S4U1000	\$5edh:					10 [32.8]	PDF
7700-44541-S4U1500	\$5edi:					15 [49.2]	PDF
7700-44711-S4U0060	\$,-1lf,:		Axial male to axial male RJ45			0.6 [1.9]	PDF
7700-44711-S4U0100	\$-1lg0:					1.0 [3.2]	PDF
7700-44711-S4U0300	\$-1lg1:					3.0 [9.8]	PDF
7700-44711-S4U0500	\$5edj:					5.0 [16.4]	PDF
7700-44711-S4U0750	\$5edk:					7.5 [24.6]	PDF
7700-44711-S4U1000	\$5edl:					10 [32.8]	PDF
7700-44711-S4U1500	\$5edn:					15 [49.2]	PDF
7700-44761-S4U0060	\$-1lg2:		90-degree male to axial male RJ45			0.6 [1.9]	PDF
7700-44761-S4U0100	\$-1lg3:					1.0 [3.2]	PDF
7700-44761-S4U0300	\$-1lg4:					3.0 [9.8]	PDF
7700-44761-S4U0500	\$5edo:					5.0 [16.4]	PDF
7700-44761-S4U0750	\$5edp:					7.5 [24.6]	PDF
7700-44761-S4U1000	\$5edq:					10 [32.8]	PDF
7700-44761-S4U1500	\$5eds:					15 [49.2]	PDF
7700-44851-S4U0050	\$5edt:		Female bulkhead to axial male RJ45			0.5 [1.6]	PDF
7700-44851-S4U0060	\$5edu:					0.6 [1.9]	PDF
7700-44851-S4U0100	\$5edv:					1.0 [3.2]	PDF



7700-44511 series



7700-44541 series



7700-44711 series



7700-44851 series

Connection Cables - Data

Industrial Ethernet M12 D-coded Shielded Cables

Ethernet Shielded M12 D-coded Specifications					
Model	44511	44541	44711	44761	44851
Type	(M12) 4-Wire, 5-Pole; (RJ45) 4-Wire, 8-Pin				
Max Voltage	60VDC				
Max Voltage - UL Rating	60VDC	30VDC			
Max Current Per Contact	4A (UL Rated to 1.5 A)	4A	1.5 A		
Protection Degree	IP65 / IP66K / IP67		M12 IP67 RJ45 IP20		M12 IP67, Nema 3, 4, 6P (UL50E) RJ45 IP20
Nut Material	Nickel plated die cast zinc				
Cable Jacket/Wire Insulation Material	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)				
Contacts Material	Copper Alloy				
Tightening Torque	≤ 0.6 N·m [≤ 0.44 ft·lb]				
Conductors Cross Section	24/7 AWG				
Ø Outer Cable	6.6 mm [0.26 in]				
Min Bend Radius	Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter				
Cable Temperature Range	-40 to 80°C [-40 to 176°F]				
Channel Transmission Length	max 70m				
Data Transmission Standard	CAT5e ISO/IEC 11801 (Class D - 100 Mbit/s)				
Approvals*	cULus				

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

Connection Cables - Data

Industrial Ethernet Shielded RJ45 Cables

Features

- High flex industrial Ethernet shielded Cat5e cables
- Resistant to welding sparks
- Flame retardant, chemical resistant
- TPE (thermoplastic elastomer) jacket for typical industrial applications
- HDPE (High Density Polyethylene) wire insulation for excellent insulation properties and abrasion resistance.



7700-74301 series

Industrial Ethernet Shielded RJ45 Cables

Part Number	Price	Number of Wires	Connectors	Cable Jacket/ Wire Insulation Material	Jacket Color	Length	Drawing Link
						m [ft]	
7700-74301-S4U0060	\$5edx:	4	RJ45 axial male to RJ45 axial male	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)	Teal	0.6 [1.9]	PDF
7700-74301-S4U0100	\$5edy:					1.0 [3.2]	PDF
7700-74301-S4U0300	\$5edz:					3.0 [9.8]	PDF
7700-74301-S4U0500	\$;5ed]:					5.0 [16.4]	PDF
7700-74301-S4U0750	\$;5ed[:					7.5 [24.6]	PDF
7700-74301-S4U1000	\$5ed_:					10 [32.8]	PDF
7700-74301-S4U1500	\$5ed#:					15 [49.2]	PDF

Industrial Ethernet Shielded RJ45 Cables Specifications

Model	74301
Type	4-Wire ,8-Pin
Max Voltage	60VDC
Max Voltage UL Rating	30VDC
Max Current Per Contact	1.5 A
Protection Degree	IP20
Cable Jacket/Wire Insulation Material	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)
Contacts Material	Copper Alloy
Conductor Cross Section	24/7 AWG
Ø Outer Cable	6.6 mm [0.260 in]
Min Bend Radius	Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter
Cable Temperature Range	-40 to 80°C [-40 to 176°F]
Channel Transmission Length	max 70m
Data Transmission Standard	Cat5e (ISO/IEC 11801 (Class D - 100 MBit/s)
Approvals**	cULus

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Connection Cables - Data

Industrial Ethernet Shielded M12 D-coded to Pigtail Cables

Features

- High flex industrial Ethernet shielded Cat5e cables
- Resistant to welding sparks
- Flame retardant, chemical resistant
- TPE (thermoplastic elastomer) jacket for typical industrial applications
- HDPE (High Density Polyethylene) wire insulation for excellent insulation properties and abrasion resistance



7700-14541-series

Ethernet Shielded M12 D-coded to Pigtail Cables							
Part Number	Price	Number of Wires	Connector	Cable Jacket/ Wire Insulation Material	Jacket Color	Length	Drawing Link
						m [ft]	
7700-14541-S4U0060	\$5ed4:	4	Axial male to pigtail	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)	Teal	0.6 [1.9]	PDF
7700-14541-S4U0100	\$5ed5:					1.0 [3.2]	PDF
7700-14541-S4U0300	\$5ed6:					3.0 [9.8]	PDF
7700-14541-S4U0500	\$5ed7:					5.0 [16.4]	PDF
7700-14541-S4U0750	\$5ed8:					7.5 [24.6]	PDF
7700-14541-S4U1000	\$5ed9:					10 [32.8]	PDF
7700-14541-S4U1500	\$5eda:					15 [49.2]	PDF

Ethernet Shielded M12 D-coded to Pigtail Cable Specifications	
Model	14541
Type	4-Wire, 5-Pole
Max Voltage	60VDC
Max Voltage - UL Rating	30VDC
Max Current Per Contact	1.5 A
Protection Degree	IP65 / IP66K / IP67
Cable Jacket/Wire Insulation Material	Thermoplastic Elastomer (TPE) / High Density Polyethylene (HDPE)
Contacts Material	Copper Alloy
Conductors Cross Section	0.25 mm ² [24AWG]
Tightening Torque	≤ 0.6 N·m [≤ 0.44 ft-lb]
Ø Outer Cable	~ 6.6 mm [0.260 in]
Min Bend Radius	Stationary use: 5 x cable diameter; Flexible use: 10 x cable diameter
Cable Temperature Range	-40 to 80°C [-40 to 176°F]
Channel Transmission Length	max 70m
Data Transmission Standard	Cat5e, (ISO/IEC 11801), (Class D - 100 MBit/s)
Approvals*	cULus

*To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.



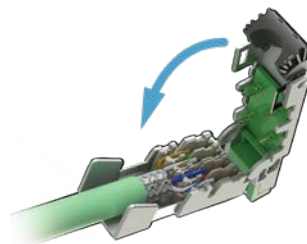
stay connected

Field Wireable Connectors - Data

Shielded RJ45 IDC Field Wireable Connectors

Features

- Insulation displacement connector (IDC)
- Cat5, Cat5e, and Cat6 models available
- Available in axial, 45°, and 90° outlets



7000-74001-0000000



7000-74031-0000000



7000-74075-0000000



7000-74085-0000000

Shielded RJ45 IDC Field Wireable Connectors

Part Number	Price	Wire Size	Number of Wires	Connector Type	Connection	Housing Material	Drawing Link
7000-74001-0000000	\$-1lg5:	26 to 22 AWG	4	RJ45 axial male	Cat5	Polyvinyl chloride (PVC)	PDF
7000-74011-0000000	\$-1lg6:		8		Cat6		PDF
7000-74021-0000000	\$-1lg7:		4	RJ45 male 45-degree	Cat5	Polyethylene (PE)	PDF
7000-74031-0000000	\$-1lg8:		8		Cat6		PDF
7000-74075-0000000	\$5ee0:	26 to 24 AWG	8	RJ45 axial male	Cat5e	Die-cast zinc	PDF
7000-74085-0000000	\$5ee1:			RJ45 90-degree male	Cat5e		PDF

Shielded RJ45 IDC Field Wireable Connectors Specifications

Model	74001, 74021	74011, 74031	74075, 74085
Type	RJ45: 4-Wire, 4-Pin	RJ45: 8-Wire, 8-Pin	RJ45: 8-Wire, 8-Pin
Maximum Voltage	60VDC		50V
Maximum Current per Contact	1.76 A		1.75 A
Transmission Type	Cat5	Cat6	Cat5e
Transfer Rate	10/100 Mbps	10 Gbit/s	1 Gbit/s
Bandwidth	100 MHz	250 MHz	100 MHz
Temperature Range	-40 to 70°C [-40 to 158°F]		
Protection Degree	IP20		
Wire Ø	max 1.6 mm		
Outside Cable Ø	5 to 9mm (74001, 74011), 5 to 8mm (74021, 74031)		5 to 9 mm
Conductor Cross Section	0.14 to 0.34 mm² [26 to 22 AWG]		0.14 to 0.25 mm² [26 to 24 AWG]
Housing Material	Polyvinyl chloride(PVC) / Polyethylene (PE)		Zinc die casting
Contact Material	—		Gold-plated
Approvals*	cURus		cULus

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Pin Assignments

74001,74021
Industrial74075,74085
Ethernet, AWG 24 - 26

74011,74031

568-B



568-A



Industrial



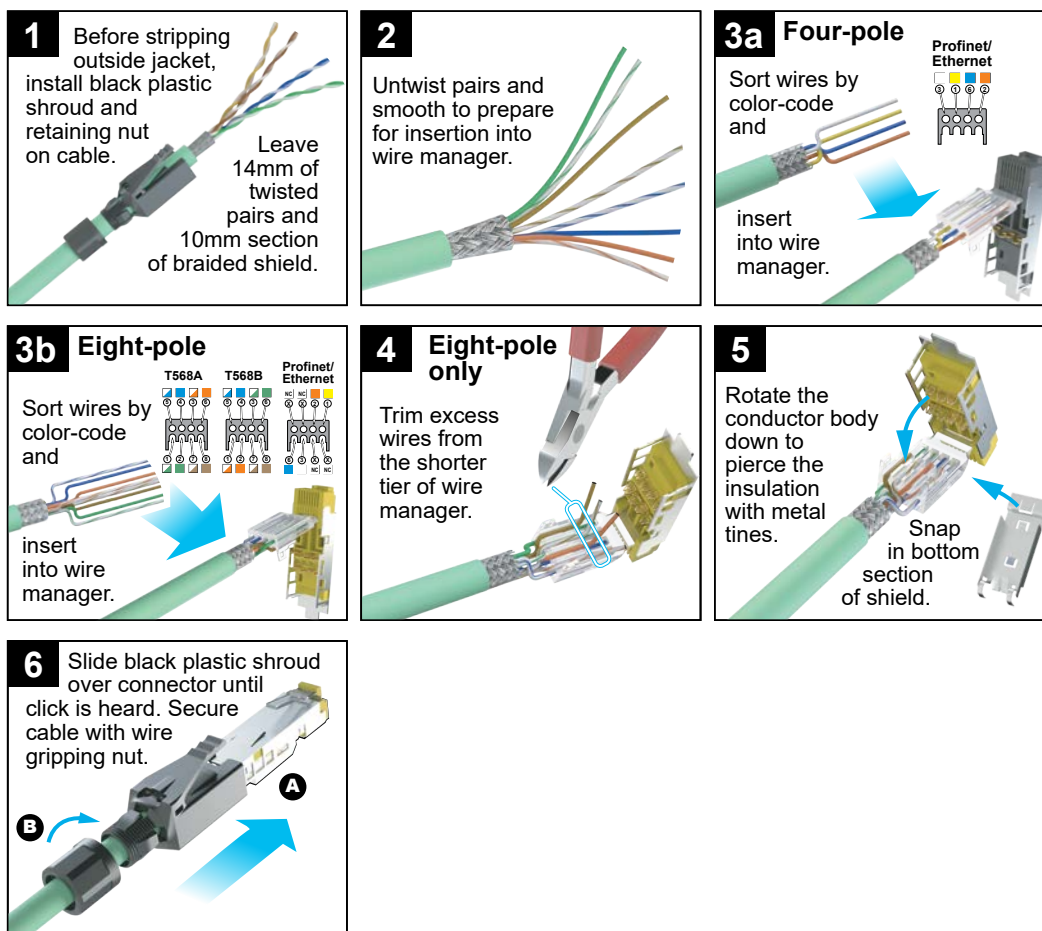


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Field Wireable Connectors - Data

Assembly Instructions

Part Numbers: **7000-74001-0000000**, **7000-74011-0000000**, **7000-74021-0000000**, **7000-74031-0000000**



Part Numbers: **7000-74075-0000000**, **7000-74085-0000000**

