




Product: [0985 856 102](#) 

Industrial Ethernet double-ended cord set, high-flex, male M12 to female M12 straight, 4 Bonded-Twisted pairs, 24 AWG, TPE cable, stranded/shielded, crossover with teal jacket and orange inserts.

Product Description

Industrial Ethernet double-ended cord set, high-flex, male M12 to female M12 straight, 4 Bonded-Twisted pairs, 24 AWG, TPE cable, stranded/shielded, crossover with teal jacket and orange inserts.

Technical Specifications

Product Description

Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Voltage Rating:	600V according to UL 20626
Data Transmission Rate:	100 Mbit/s

Technical Data Side 1

Connector Design:	Straight
Attachment Type:	Coupling Screw
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Ambient Temperature (Operation)*:	-40° C(-40°F) to +75° C(+167°F)
Protection Degree / IP Rating**:	IP67
Side 1 Design Standard:	IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	EN 60664-1 (2008/01); VDE 0110-1
Contact Base Material:	Copper and Tin (CuSn)
Side 1 Contact Plating:	Copper over Gold (Cu/Au)
Contact Bearer Material:	PUR
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	PUR, black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	Brass (Cu/Zn)
Attachment Plating:	Nickel (Ni)

Cable Data

Cable Number:	856
Conductor Size:	24 AWG
Cycles (Bending):	> 5 M
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Teal
Cable Diameter D:	7.6 mm nominal
Foil shield:	Aluminum/polyester/aluminum foil, 100% coverage
Cable Characteristics:	600 V AWM 20626, C(UL) US CMR, CSA FT4
Core Colors:	white/orange, orange, white/blue, blue, white/green, green, white/brown,brown

Technical Data Side 2

Attachment Type, Side 2:	Coupling Screw
Ambient Temperature (Operation), Side 2*:	-40° C(-40°F) to +75° C(+167°F)
Contact Plating, Side 2:	Copper over Gold (Cu/Au)
Contact Bearer Material, Side 2:	PUR
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	PUR, black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Brass (Cu/Zn)
Attachment Plating, Side 2:	Nickel (Ni)

History

Update and Revision:	Revision Number: 0.10 Revision Date: 03-02-2026
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Variants

Item #	Item Description	Color
900016052	0985 856 102/5M	Black
900016053	0985 856 102/10M	Black
900016054	0985 856 102/15M	Black
900016055	0985 856 102/20M	Black
900016050	0985 856 102/1M	Black
900016051	0985 856 102/2M	
900016232	0985 856 102/50M	
900016278	0985 856 102/35M	
900016444	0985 856 102/30M	
TJNPI01142	0985 856 102/5M	

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