

Product: [0985 656 104](#) 

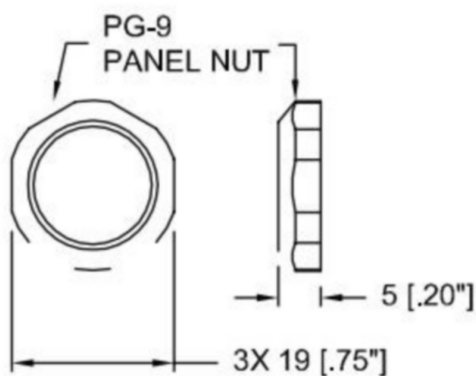
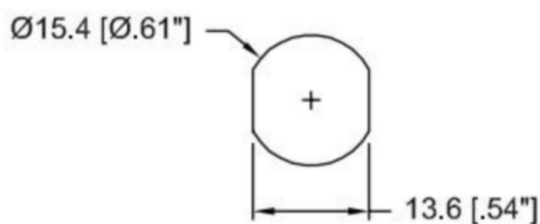


EtherMATE - Industrial Ethernet, double-ended cord set, high-flex, M12 female receptacle to RJ45 male, 4-pair, 24 AWG, PVC cable, stranded/shielded, with teal jacket.

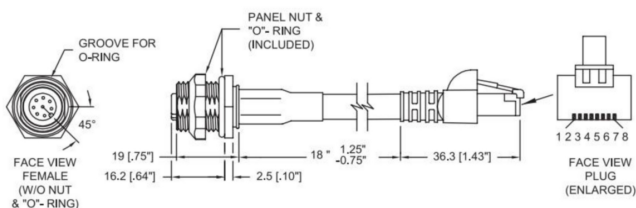
Product Description

EtherMATE - Industrial Ethernet, double-ended cord set, high-flex, M12 female receptacle to RJ45 male, 4-pair, 24 AWG, PVC cable, stranded/shielded, with teal jacket.

Technical Drawing



M12		Color		RJ45
6		White/Orange		1
4		Orange		2
1		White/Blue		5
7		Blue		4
5		White/Green		3
8		Green		6
2		White/Brown		7
3		Brown		8
Nut		Shield		Shell



Technical Specifications

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV

Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s

Technical Data Side 1

Side 1 Product Sub Family:	M12 Overmolded Receptacle
Side 1 Type of Contact/Gender:	Socket Contact / Female
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding, Side 1:	D
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Cross Section:	24 AWG
Ambient Temperature (Operation)*:	- 20 °C to + 75 °C
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 (2003/11); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuZn
Side 1 Contact Plating:	Ni/Au
Contact Bearer Material:	PUR
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	PUR, black
Attachment Material:	Brass (Cu/Zn)

Cable Data

Cable Type:	104
Cable Number:	656
Conductor Size:	24 AWG
Number of Wires:	4 (2 twisted pairs)
Cycles (Bending):	> 2 M
Cycles (Torsion):	5 M
Conductor Material:	Cu
Cable Jacket Material:	PVC
Cable Jacket Color:	Teal
Cable Diameter D:	0.77 mm
Wire Insulation Material:	Polyethylene
Foil shield:	Aluminum/polypropylene tape, 100% coverage
UL Cable Type:	Cat 5e

Technical Data Side 2

Side 2 Product Sub Family:	RJ45
Side 2 Type of Contact/Gender:	Pin Contact / Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Plug
Number of Pins, Side 2:	4
Coding, Side 2:	D
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10 ⁹ Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 20 °C to + 675 °C
Protection Degree / IP Rating, Side 2**:	IP20
Design Standard, Side 2:	IEC 60603-7
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Phosphorus / Copper and Tin (CuSn)
Contact Plating, Side 2:	Ni/Au
Contact Bearer Material, Side 2:	Polycarbonate
Contact Bearer Color, Side 2:	Clear
Flammability Class (Contact Bearer), Side 2:	UL 94 HB

Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

Note Derating:	Notice derating
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History

Update and Revision:	Revision Number: 0.42 Revision Date: 10-06-2026
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Variants

Item #	Item Description	Cable Length	Color
900005041	0985 656 104/20M		
TJNPI00857	0985 656 104/0.5M		
900000463	0985 656 104/0.5M	0.5 m	Color, Match Request
900000451	0985 656 104/1M	1 m	Color, Match Request
900000452	0985 656 104/2M	2 m	Color, Match Request
900000453	0985 656 104/3M	3 m	Color, Match Request
900000612	0985 656 104/6M	6 m	
900000475	0985 656 104/10M	10 m	Color, Match Request

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