

Product: [0985 656 500](#) 

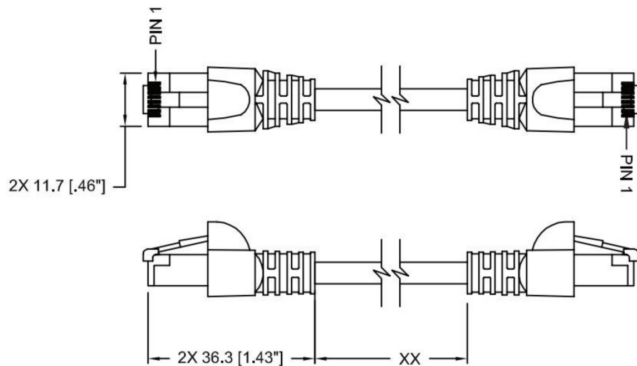


EtherMATE - Industrial Ethernet double-ended cord set, high-flex, male, RJ45 to RJ45 straight, 4-pair, 24 AWG, PVC cable, stranded/shielded with teal jacket.

Product Description

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

Technical Drawing



RJ45		Color		RJ45
1	XX	White/Orange	XX	1
2	XX	Orange	XX	2
5	XX	White/Blue	XX	5
4	XX	Blue	XX	4
3	XX	White/Green	XX	3
6	XX	Green	XX	6
7	XX	White/Brown	XX	7
8	XX	Brown	XX	8
Shell ———		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
Suitable Applications:	Industrial Ethernet

Technical Data Side 1

Side 1 Product Sub Family:	RJ45
Side 1 Type of Contact/Gender:	Pin-Contact Male
Connector Design:	Straight
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**:	IP20
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
Housing Material:	Pre-tinned copper alloy
Attachment Material:	Brass (Cu/Zn)

Cable Data

Cable Type:	500
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: 0.44 Revision Date: 10-06-2026
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Variants

Item #	Item Description	Cable Length	Color
900000251	0985 656 500/0.2M	0.2 m	
900000431	0985 656 500/0.3M	0.3 m	Color, Match Request
900000597	0985 656 500/0.5M	0.5 m	Color, Match Request
900000433	0985 656 500/1M	1 m	Color, Match Request
900000434	0985 656 500/2M	2 m	Color, Match Request
900000435	0985 656 500/3M	3 m	Color, Match Request
900000436	0985 656 500/4M	4 m	Color, Match Request
900000437	0985 656 500/5M	5 m	Color, Match Request
900001369	0985 656 500/8M	8 m	
900000438	0985 656 500/10M	10 m	Color, Match Request
900002623	0985 656 500/12M	12 m	Color, Match Request
900000439	0985 656 500/15M	15 m	Color, Match Request
900000440	0985 656 500/20M	20 m	Color, Match Request
900000441	0985 656 500/25M	25 m	Color, Match Request
900000442	0985 656 500/30M	30 m	Color, Match Request
900000443	0985 656 500/35M	35 m	
900000447	0985 656 500/55M	55 m	
900003079	0985 656 500/100M	100 m	

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