


Product: [0985 806 500](#) 

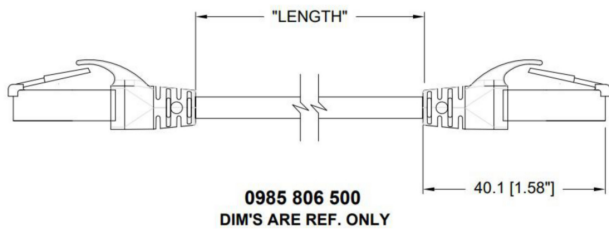


Fast Ethernet Cat 5e, high-flex, double-ended cord set, RJ45 male, straight to RJ45 male straight, 4-pin, 24 AWG TPE cable, stranded/unshielded, 2 twisted bonded pair with teal jacket.

Product Description

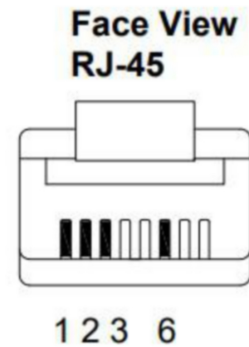
Fast Ethernet Cat 5e, high-flex, double-ended cord set, RJ45 male, straight to RJ45 male straight, 4-pin, 24 AWG TPE cable, stranded/unshielded, 2 twisted bonded pair with teal jacket.

Technical Drawing



Color Code

1 = White Orange
2 = Orange
3 = White Green
6 = Green



Technical Specifications

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	1.5 A
Rated Current*:	1.5 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s

Technical Data Side 1

Product Sub Family:	RJ 45
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	Straight
Attachment Type:	Plug
Number of Pins:	8 (4 terminated)
Coding:	D
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	250V
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 75 °C

Protection Degree / IP Rating**:	IP20
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Plastic / Copper and Tin (CuSn)
Contact Plating:	Gold
Contact Bearer Material:	Polycarbonate
Contact Bearer Color:	Clear
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Elastomer Polyolefin
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB

Cable Data

Cable Number:	806
Conductor Size:	24 AWG
Number of Wires:	4 (2 twisted pairs)
Minimal Bending Radius (Fixed Inst):	.250"
Cycles (Bending):	> 2 M
Conductor material:	Cu
Cable Jacket Material:	Thermoplastic Elastomer (TPE)
Cable Jacket Color:	Teal
Cable Diameter D:	.275"
Wire Insulation Material:	PO
Insulated Wire Diameter:	.037"
Ambient Temperature (Fixed Installation):	-50°C + 75°C
UL Cable Type:	Cat 5e
Flammability Class (Cable Jacket):	UL: CMR / CSA: CMG
Core Colors:	White / Orange, White / Green, Orange, Green

Technical Data Side 2

Product Sub Family, Side 2:	RJ45
Type of Contact / Gender, Side 2:	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 - + 60 °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:	Gold
Contact Bearer Material, Side 2:	Polycarbonate
Contact Bearer Color, Side 2:	Clear
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Elastomer Polyolefin
Molded Body Color, Side 2:	Clear
Flammability Class (Molded Body), Side 2:	UL 94 HB

Safety & Environmental Compliance

RoHS Compliant:	yes
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Notes

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Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked
Note Derating:	Notice derating

History

Update and Revision:	Revision Number: 0.32 Revision Date: 07-07-2025
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Variants

Item #	Item Description	Cable Length
900004856	0985 806 500/0.3M	0.3 m
900004103	0985 806 500/0.5M	0.5 m
900004857	0985 806 500/0.6M	0.6 m
900004106	0985 806 500/1M	1 m
900016501	0985 806 500/1.5M	1.5 m
900004109	0985 806 500/2M	2 m
900004112	0985 806 500/3M	3 m
900004546	0985 806 500/4M	4 m
900004113	0985 806 500/5M	5 m
900004547	0985 806 500/6M	6 m
900016231	0985 806 500/8M	8 m
900004104	0985 806 500/10M	10 m
900004548	0985 806 500/12M	12 m
900004105	0985 806 500/15M	15 m
900004549	0985 806 500/18M	18 m
900004107	0985 806 500/20M	20 m
900004108	0985 806 500/25M	25 m
900004110	0985 806 500/30M	30 m
900004111	0985 806 500/35M	35 m
900004550	0985 806 500/40M	40 m
900016284	0985 806 500/45M	45 m
900004551	0985 806 500/50M	50 m
900016405	0985 806 500/55M	55 m
900016150	0985 806 500/60M	60 m
900016151	0985 806 500/70M	70 m
900005068	0985 806 500/80M	80 m

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