

Product: <u>0985 806 100</u> ☑

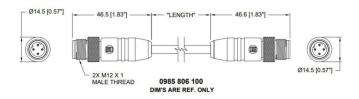


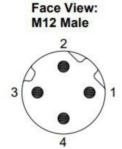
Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to M12 male straight, 4-pin, D-coding, 24 AWG TPE cable, stranded/unshielded, 2 twisted bonded pair with teal jacket.

Product Description

Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to M12 male straight, 4-pin, D-coding, 24 AWG TPE cable, stranded/unshielded, 2 twisted bonded pair with teal jacket.

Technical Drawing





STANDARD WIRING Color Code 1 = White Orange 2 = White Green 3 = Orange 4 = 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:	250V
Rated Current*:	4 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s

Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	4
Coding:	D
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	250V
Mating Cycles:	≤ 100
Cable Gland:	PG 11

Strain-Relief:	Cable clamp
Ambient Temperature (Operation)*:	- 40 °C - + 75 °C
Protection Degree / IP Rating**:	IP68
Design Standard:	IEC 61076-2-101
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	EN 60664-1 (2008/01); VDE 0110-1
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	Copper and Tin (CuSn)
Contact Plating:	Copper over Gold (Cu/Au)
Contact Bearer Material:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Housing Color:	see standard article
Attachment Material:	Brass (Cu/Zn)
Attachment Plating:	Nickel (Ni)
Gasket Material:	SBR/NBR, cable gland
Fastening Torque (Cable Gland):	PG11: (250-375) Ncm
Fastening torque (mounting screw):	BZ 2,9x14: (40-50) Ncm
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Accessories to Order Separately:	732-045-001, STASI 3, securing clip

Cable Data

Cable Number:	806
Cable Nulliber.	000
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:	M12 Standard
Type of Contact / Gender, Side 2:	Pin Contact / Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Screw
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*:	- 40 °C - + 75 °C
Protection Degree / IP Rating, Side 2**:	IP68
Design Standard, Side 2:	IEC 61076-2-101
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:	Copper and Tin (CuSn)

Contact Plating, Side 2:	Copper over Gold (Cu/Au)
Contact Bearer Material, Side 2:	Thermoplastic Polyurethane (TPU)
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	Thermoplastic Polyurethane (TPU)
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	Brass (Cu/Zn)
Attachment Plating, Side 2:	Nickel (Ni)
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes
-----------------	-----

Notes

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

History

Update and Revision:	Revision Number: 0.44 Revision Date: 07-07-2025
----------------------	---

Variants

Item #	Item Description	Cable Length
900016164	0985 806 100/0.15M	0.15 m
900004046	0985 806 100/0.3M	0.3 m
900004047	0985 806 100/0.5M	0.5 m
900004048	0985 806 100/0.6M	0.6 m
900004052	0985 806 100/1M	1 m
900004056	0985 806 100/2M	2 m
900004059	0985 806 100/3M	3 m
900004062	0985 806 100/4M	4 m
900004064	0985 806 100/5M	5 m
900004065	0985 806 100/6M	6 m
900004524	0985 806 100/7M	7 m
900004067	0985 806 100/8M	8 m
900004525	0985 806 100/9M	9 m
900004049	0985 806 100/10M	10 m
900004050	0985 806 100/12M	12 m
900004526	0985 806 100/14M	14 m
900004051	0985 806 100/15M	15 m
900004527	0985 806 100/18M	18 m
900004053	0985 806 100/20M	20 m
900004528	0985 806 100/24M	24 m
900004054	0985 806 100/25M	25 m
900004055	0985 806 100/27M	27 m
900004057	0985 806 100/30M	30 m
900004058	0985 806 100/35M	35 m
900004060	0985 806 100/40M	40 m
900004061	0985 806 100/45M	45 m
900004063	0985 806 100/50M	50 m
900004529	0985 806 100/55M	55 m
900004530	0985 806 100/60M	60 m
900004531	0985 806 100/65M	65 m
900004532	0985 806 100/70M	70 m
900004533	0985 806 100/75M	75 m
900004066	0985 806 100/80M	80 m
900004534	0985 806 100/85M	85 m

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.