

Product: <u>0985 806 103</u> ☑

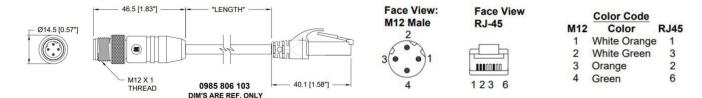


Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to RJ45 male, 4-pin, D-coded, 24 AWG, teal TPE jacket, stranded/unshielded cable with 2 twisted bonded pairs.

Product Description

Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to RJ45 male, 4-pin, D-coded, 24 AWG, teal TPE jacket, stranded/unshielded cable with 2 twisted bonded pairs.

Technical Drawing



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:	30 V AC / 42 V DC
Rated Current*:	1.5 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)*:	- 20 °C - + 60 °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:	grey
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
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

Notes

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: 0.40 Revision Date: 07-07-2025

Variants

Item #	Item Description	Cable Length
900005232	0985 806 103/0.15M	0.15 m
900004535	0985 806 103/0.3M	0.3 m
900004074	0985 806 103/0.5M	0.5 m
900004854	0985 806 103/0.6M	0.6 m
900004078	0985 806 103/1M	1 m
900005154	0985 806 103/1.2M	1.2 m
900004082	0985 806 103/2M	2 m
900004079	0985 806 103/2.5M	2.5 m
900004084	0985 806 103/3M	3 m
900004085	0985 806 103/4M	4 m
900004086	0985 806 103/5M	5 m
900004087	0985 806 103/6M	6 m
900004536	0985 806 103/7M	7 m
900004537	0985 806 103/8M	8 m
900004538	0985 806 103/9M	9 m
900004075	0985 806 103/10M	10 m
900004076	0985 806 103/12M	12 m
900004077	0985 806 103/15M	15 m
900016219	0985 806 103/16M	16 m
900004539	0985 806 103/18M	18 m
900004080	0985 806 103/20M	20 m
900016193	0985 806 103/22M	22 m
900016241	0985 806 103/24M	24 m
900004081	0985 806 103/25M	25 m
900016276	0985 806 103/26M	26 m
900016240	0985 806 103/28M	28 m
900004355	0985 806 103/30M	30 m
900016377	0985 806 103/32M	32 m
900004083	0985 806 103/35M	35 m
900016253	0985 806 103/36M	36 m
900004540	0985 806 103/40M	40 m
900004541	0985 806 103/45M	45 m
900004542	0985 806 103/50M	50 m
900004543	0985 806 103/60M	60 m
900004544	0985 806 103/70M	70 m
900004545	0985 806 103/80M	80 m
900005176	0985 806 103/82M	82 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. I egulations based on their individual usage of the product.	Regulatory information is for guidance purposes	only. Product users are responsible for determining	the applicability of legislation and