



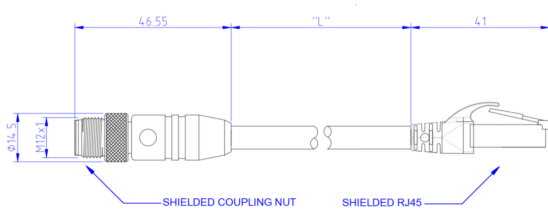
Product: [0985 YM57530-W 103](#)

Fast Ethernet Cat5e, double-ended cord set, M12 male, straight, 4-pin, D-coding to a RJ45 male, straight, 8-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with white jacket

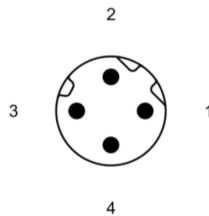
Product Description

Fast Ethernet Cat5e, double-ended cord set, M12 male, straight, 4-pin, D-coding to a RJ45 male, straight, 8-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with white jacket

Technical Drawing

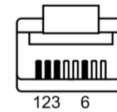


Technical Data Side 1
M12 Male



Color Code
1 = WH/OR
2 = WH/GN
3 = OR
4 = GN
Shield = Coupling Nut

Technical Data Side 2
RJ45 Male



Color Code
1 = WH/OR
3 = WH/GN
2 = OR
6 = GN
Shield = RJ45 Sleeve

Technical Specifications

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	42 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:	Male
Connector Design:	Straight
Attachment Type:	Knurled Screw
Number of Pins:	4

Coding:	D
Mating Cycles:	≤ 100
Cable Gland:	PG 7
Ambient Temperature (Operation)*:	- 25 °C - + 75 °C
Temperature Range (Gasket):	see Accessories
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-101
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:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PBT
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:	black
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
Gasket Material:	NBR, cable gland
Fastening Torque (Cable Gland):	PG7: (150-250) Ncm
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Accessories to Order Separately:	gasket: GDSN 307-4, 730-176-002, NBR, flat gasket for temperature range: -25°C to +90°C, GDSN 307-5, 730-310-003, EPDM, flat gasket for temperature range: -40°C to +125°C

Cable Data

Cable Number:	YM57530-W
Conductor Size:	24 AWG
Number of Wires:	2 Pair (bonded twisted pairs)
Minimal Bending Radius (Fixed Inst):	5 x D
Minimal Bending Radius (Flexible Inst):	10 x D
Cycles (Bending):	3
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Cable Jacket Material:	TPE
Cable Jacket Color:	White
Cable Diameter D:	ø 7.62 mm
Wire Insulation Material:	Polyolefin
Insulated Wire Diameter:	ø 1.02 ± 0.05 mm
Overall Shield (Cable):	TC Braid 65%
Foil shield:	Al Foil 100%
Ambient Temperature (Fixed Installation):	- 40 °C - + 75 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 75 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM 20626, 80C 600 V
Cable Characteristics:	NEMA WC-63.1 Category 5, ICEA 661, Category 5e Patch, TIA/EI-568-B.2, Category 5e, Indoor/Outdoor Yes, Oil Res
Core Colors:	Bonded Twisted pairs: wh/or wh/gn

Technical Data Side 2

Product Sub Family, Side 2:	RJ45
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Plug
Number of Pins, Side 2:	8 (4 terminated)
Coding, Side 2:	RJ45

Mating Cycles, Side 2:	≤ 750
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 70 °C
Protection Degree / IP Rating, Side 2**:	IP20
Contact Base Material, Side 2:	P / CuSN
Contact Plating, Side 2:	Au
Contact Bearer Material, Side 2:	Polycarbonate
Contact Bearer Color, Side 2:	Clear
Molded Body Material, Side 2:	Elastomer Polyolefin
Molded Body Color, Side 2:	Black

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Resistances

Oil Resistance:	Yes
-----------------	-----

Notes

Note Derating:	Notice derating
----------------	-----------------

History

Update and Revision:	Revision Number: 0.43 Revision Date: 02-03-2025
----------------------	---

Variants

Item #	Item Description	Cable Length
900016226	0985 YM57530-W 103/5M	5 m
900004278	0985 YM57530-W 103/6.5M	6.5 m
900005007	0985 YM57530-W 103/8M	8 m
900005008	0985 YM57530-W 103/10M	10 m
900004279	0985 YM57530-W 103/12M	12 m
900016194	0985 YM57530-W 103/15M	15 m
900004411	0985 YM57530-W 103/16M	16 m
900004816	0985 YM57530-W 103/20M	20 m
900016015	0985 YM57530-W 103/30M	30 m
900016175	0985 YM57530-W 103/40M	40 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.