Product: 0985 YM57530-BK 103 ⧉
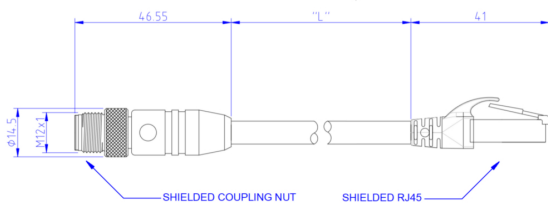
Fast Ethernet Cat5e, double-ended cord set, M12 male, straight, 4-pin, D-coding to a RJ45 male, straight, 8-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with black jacket
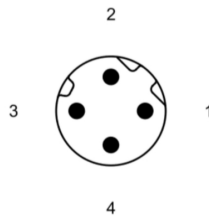
Product Description

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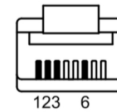
Technical Drawing

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
Ambient Temperature (Operation)*:	- 25 °C - + 75 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 61076-2-101
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:	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
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	YM57530-BK
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:	Black
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: 0.13 Revision Date: 08-25-2022

Variants

Item #	Item Description	Cable Length
900016370	0985 YM57530-BK 103/6M	6 m
900016384	0985 YM57530-BK 103/8M	8 m
900016378	0985 YM57530-BK 103/10M	10 m