



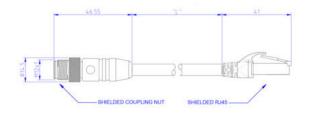
Product: <u>0985 YM57530-N 103</u> ☑

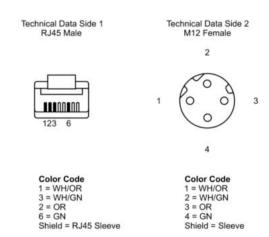
Fast Ethernet Cat5e, double-ended cord set, M12 male, straight, 4-pin, D-coding to a RJ45 male, straight, 8-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with orange jacket

# **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 orange jacket

# **Technical Drawing**





# **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 11, color see standard article		
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)		
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:	РВТ		
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:	semi-transparent		
Attachment Material:	CuZn		
Attachment Plating:	Nickel-plated		
Shielding Material:	CuZn, tin-plated		
Gasket Material:	NBR		
Fastening Torque (Cable Gland):	PG11: (250-375) Ncm		
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight		
Accessories to Order Separately:	gasket: 730-801-002, NBR, temperature range: -30°C to +90°C, flat gasket GDM 3-7, pale brown; 731-739-004, EPDM, temperature range: -40°C to +125°C, flat gasket GDM 3-17, pale brown; 731-531-002, NBR, temperature range: -30°C to +90°C, profile gasket GDM 3-16, black; 731-532-002, VMQ, temperature range: -40°C to +125°C, profile gasket GDM 3-17, red central screw: 732-574-001, knurled screw (grey) 734-363-001, stainless steel screw 735-507-001,torx screw		

# **Cable Data**

Cable Number:	YM5753-N			
Conductor Size:	24 AWG			
Number of Wires:	2 Pair (bonded twisted pairs)			
Minimal Bending Radius (Fixed Inst):	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:	Orange			
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			
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Core Colors: Bonded Twisted pairs: wh/or | wh/gn AbN

#### **Technical Data Side 2**

Product Sub Family, Side 2:	RJ45			
Type of Contact / Gender, Side 2:	Male			
Connector Design, Side 2:	traight			
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

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### **Notes**

Note Derating:
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# **History**

Update and Revision: Revision Number: 0.39 Revision Date: 02-03-2025

### Variants

Item #	Item Description	Cable Length
900016225	0985 YM57530-N 103/5M	5 m
900005052	0985 YM57530-N 103/6.5M	6.5 m
900005149	0985 YM57530-N 103/10M	10 m
900005054	0985 YM57530-N 103/12M	12 m
900004996	0985 YM57530-N 103/15M	15 m
900005053	0985 YM57530-N 103/16M	16 m
900004997	0985 YM57530-N 103/20M	20 m
900005156	0985 YM57530-N 103/25M	25 m
900005150	0985 YM57530-N 103/30M	30 m
900016173	0985 YM57530-N 103/40M	40 m

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