



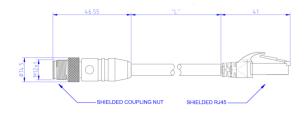
Product: <u>0985 YM57530-Y 103</u> ☑

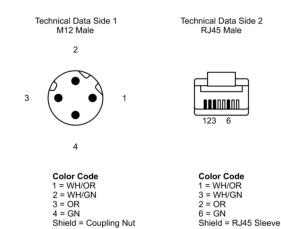
Fast Ethernet Cat5e, double-ended cord set, M12 male, straight, 4-pin, D-coding to a RJ45 male, straight, 8-pin, 24 AWG TPE cable, stranded/shielded, 2 twisted bonded pairs with yellow jacket

### **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 yellow 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	
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-Y	
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:	Yellow	
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: 0.20 Revision Date: 02-03-2025

#### Variants

Item #	Item Description	Cable Length
900016224	0985 YM57530-Y 103/5M	5 m
900005131	0985 YM57530-Y 103/6.5M	6.5 m
900016186	0985 YM57530-Y 103/10M	10 m
900005151	0985 YM57530-Y 103/12M	12 m
900005124	0985 YM57530-Y 103/15M	15 m
900005152	0985 YM57530-Y 103/16M	16 m
900005125	0985 YM57530-Y 103/20M	20 m
900016187	0985 YM57530-Y 103/25M	25 m
900016014	0985 YM57530-Y 103/30M	30 m
900016188	0985 YM57530-Y 103/35M	35 m
900016174	0985 YM57530-Y 103/40M	40 m

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