



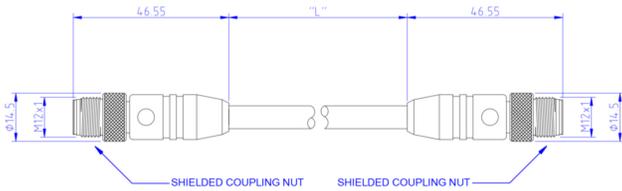
**Product:** [0985 YM57530-R 100](#)

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

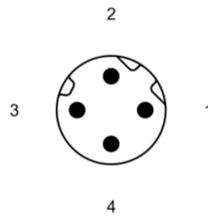
### Product Description

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

### Technical Drawing

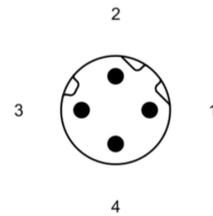


Technical Data Side 1  
M12 Male



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

Technical Data Side 2  
M12 Male



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

### Technical Specifications

#### Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 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:	YM5753-R
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:	Red
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:	M12 Standard
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Knurled Screw
Number of Pins, Side 2:	4
Coding, Side 2:	D
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 25 °C - + 75 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Design Standard, Side 2:	IEC 61076-2-101
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:	CuSn
Contact Plating, Side 2:	Cu/Au

Contact Bearer Material, Side 2:	PBT
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
Shielding Material, Side 2:	CuZn, tin-plated
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

## Safety & Environmental Compliance

RoHS Compliant:	Yes
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## Resistances

Oil Resistance:	Yes
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## Notes

Note Derating:	Notice derating
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## History

Update and Revision:	Revision Number: 0.31 Revision Date: 04-25-2023
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## Variants

Item #	Item Description	Cable Length
900005188	0985 YM57530-R 100/0.5M	0.5 m
900005198	0985 YM57530-R 100/1M	1 m
900004867	0985 YM57530-R 100/2M	2 m
900004868	0985 YM57530-R 100/3M	3 m
900004869	0985 YM57530-R 100/4M	4 m
900004870	0985 YM57530-R 100/5M	5 m
900004871	0985 YM57530-R 100/6M	6 m
900004872	0985 YM57530-R 100/7M	7 m
900016369	0985 YM57530-R 100/37 M	7 m
900004873	0985 YM57530-R 100/8M	8 m
900004874	0985 YM57530-R 100/9M	9 m
900004470	0985 YM57530-R 100/10M	10 m
900004400	0985 YM57530-R 100/11M	11 m
900004471	0985 YM57530-R 100/15M	15 m
900004401	0985 YM57530-R 100/16M	16 m
900004443	0985 YM57530-R 100/20M	20 m
900004407	0985 YM57530-R 100/22M	22 m
900004280	0985 YM57530-R 100/25M	25 m
900004281	0985 YM57530-R 100/30M	30 m
900004444	0985 YM57530-R 100/35M	35 m
900004399	0985 YM57530-R 100/40M	40 m
900016368	0985 YM57530-R 100/42 M	42 m
900004875	0985 YM57530-R 100/45M	45 m
900004402	0985 YM57530-R 100/46M	46 m
900004445	0985 YM57530-R 100/50M	50 m
900004876	0985 YM57530-R 100/55M	55 m
900004877	0985 YM57530-R 100/60M	60 m
900004472	0985 YM57530-R 100/70M	70 m
900004473	0985 YM57530-R 100/80M	80 m
900004815	0985 YM57530-R 100/82M	82 m

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