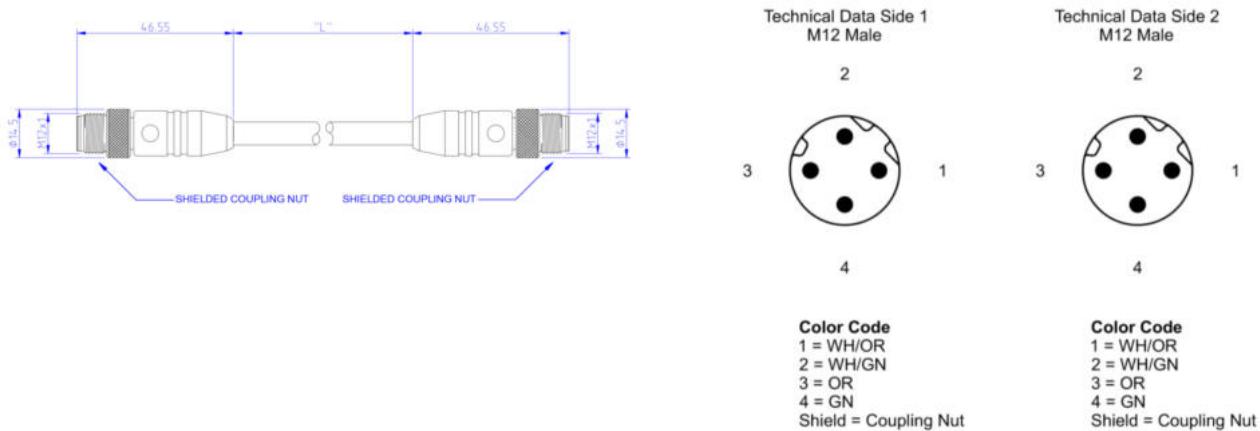



Product: [0985 YM57530-W 100](#)

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 white 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 white jacket

Technical Drawing

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
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:	see standard article
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
Gasket Material:	NBR
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, 730176-002, NBR, flat gasket for temperature range: -25°C to +90°C, flat gasket 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:	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: 0.44 Revision Date: 04-25-2023
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Variants

Item #	Item Description	Cable Length
900004518	0985 YM57530-W 100/1M	1 m
900016227	0985 YM57530-W 100/3M	3 m
900004998	0985 YM57530-W 100/5M	5 m
900004999	0985 YM57530-W 100/15M	15 m
500005000	0985 YM57530-W 100/20M	20 m
900005000	0985 YM57530-W 100/20M	20 m
900016228	0985 YM57530-W 100/25M	25 m
900005001	0985 YM57530-W 100/30M	30 m
900005002	0985 YM57530-W 100/40M	40 m
900005003	0985 YM57530-W 100/50M	50 m
900005064	0985 YM57530-W 100/70M	70 m
900005206	0985 YM57530-W 100/75M	75 m
900005153	0985 YM57530-W 100/80M	80 m
900005207	0985 YM57530-W 100/82M	82 m

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