



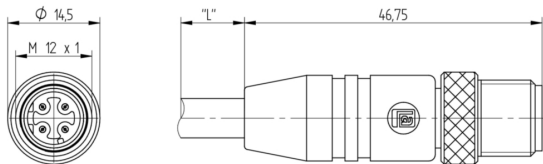
Product: [0985 342 102](#)

Fast Ethernet Cat5e Data Single-Ended Cordset: M12 Standard, male, straight, 4-pin, D-coded, shielded, black body, 50 V AC / 60 V DC, 4 A; PUR green cable, 4-wires, 2x2x0.34 mm²

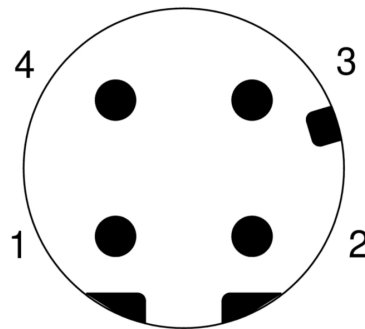
Product Description

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Technical Drawing



Male



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4
yellow	white	orange	blue

Technical Data

Product Family:	Data Connectors
Product Sub Family:	M12 Standard
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Male
Connector Design:	Straight
Number of Pins:	4
Coding:	D
Shielding:	Shielded
Attachment Type:	Coupling Screw
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

Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
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)

Materials

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

Additional Technical Data

Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
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Cable Data

Cable Number:	342
Conductor Size:	2x2x0.34 mm²
Number of Wires:	4
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Cycles (Torsion):	> 2 M @ ± 360 °/1 m
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	green matt similarly RAL 6018
Cable Diameter D:	ø 6.50 ± 0.20 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.58 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Foil shield:	Al-PT Foil
Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2, flame-retardant
Cable Characteristics:	Exclusion of dangerous materials; Line construction similar PROFInet C-Specification; Line requirements similar: IEC 11801, IEC 61156 (CAT 5), EN 50173, EN 50288-2-2 (100MHz-cable and EIA/TIA 568 B (CAT 5e), Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Good chemical and oil resistance; Exclusion of PVC and Silicone; LABS-free of lacquer wetting disturbing substances; Coldness flexibility
Core Colors:	star quad: white & blue, yellow & orange

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	EN 60811 Part 2-1

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
9926	0985 342 102/0,3 M	
26544	0985 342 102/1,1 M	
934636933	0985 342 102/1 M	1 m
11833	0985 342 102/1,5 M	1.5 m
75631	0985 342 102/2 M	2 m
91037	0985 342 102/3 M	3 m
75632	0985 342 102/5 M	5 m
77830	0985 342 102/10 M	10 m
934636134	0985 342 102/15 M	15 m
2781	0985 342 102/20 M	20 m
934636087	0985 342 102/25 M	25 m
934637566	0985 342 102/30 M	30 m
12003	0985 342 102/35 M	35 m
2228	0985 342 102/40 M	40 m
12024	0985 342 102/45 M	45 m
12025	0985 342 102/50 M	50 m

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