

Product: [0985 342 104 Overmolded](#)

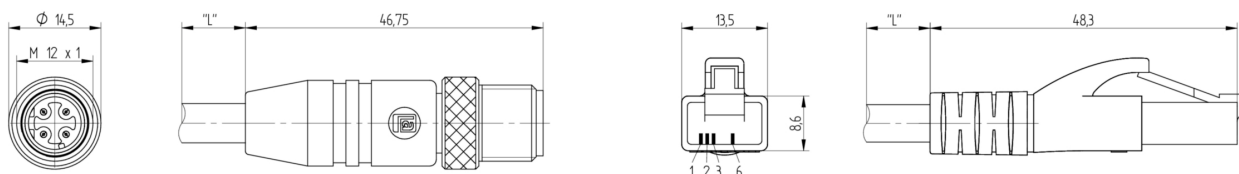


Fast Ethernet Cat5e Data Double-Ended Cordset: Male straight D-coded black M12 Standard to male straight RJ45-coded black RJ45, shielded, 30 V AC / 42 V DC, 1.5 A; PUR green cable, 4-wires, 2x2x0.34 mm²

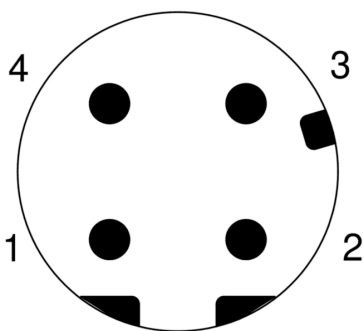
Product Description

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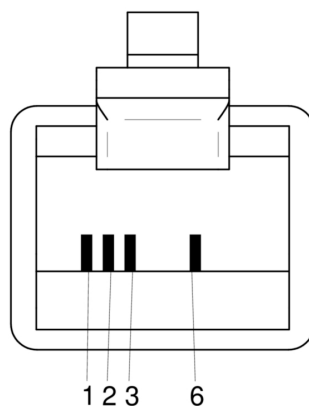
Technical Drawing



Male



Male



Technical Specifications

Face View Side 1

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

Face View Side 2

Pin 1	Pin 2	Pin 3	Pin 6
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Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Impulse Voltage:	1 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:	Coupling Screw
Number of Pins:	4
Coding:	D
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:	I 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
Note:	Do not connect or disconnect under load.

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:	Twisted pairs: white & blue, yellow & orange

Technical Data Side 2

Product Sub Family, Side 2:	RJ45
Type of Contact / Gender, Side 2:	Male
Connector Design, Side 2:	Straight
Number of Pins, Side 2:	4
Coding, Side 2:	RJ45
Contact Resistance, Side 2:	≤ 20 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 750
Ambient Temperature (Operation), Side 2*:	- 25 °C - + 60 °C
Protection Degree / IP Rating, Side 2**:	IP20
Design Standard, Side 2:	IEC 60603-7
Overvoltage Category, Side 2:	I acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	Copper Alloy
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PC
Contact Bearer Color, Side 2:	Clear
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Molded Body Material, Side 2:	PVC
Molded Body Color, Side 2:	Black
Shielding Material, Side 2:	Copper, nickel-plated

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

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating

Variants

Item #	Item Description	Cable Length
11944	0985 342 104/0,3 M umspritzt	0.3 m
12114	0985 342 104/0,5 M umspritzt	0.5 m
11945	0985 342 104/0,6 M umspritzt	0.6 m
12115	0985 342 104/1 M Umspritzt	1 m
12116	0985 342 104/1,5 M umspritzt	1.5 m
12117	0985 342 104/2 M umspritzt	2 m
12129	0985 342 104/12,5 M umspritzt	12.5 m
12118	7985 342 104/2,5 M umspritzt	2.5 m
12119	0985 342 104/3 M umspritzt	3 m
12120	0985 342 104/4 M umspritzt	4 m
12121	0985 342 104/5 M umspritzt	5 m
12123	0985 342 104/6 M umspritzt	6 m
12125	0985 342 104/7,5 M umspritzt	7.5 m
12126	0985 342 104/8 M umspritzt	8 m
12127	0985 342 104/9 M umspritzt	9 m
12128	0985 342 104/10 M umspritzt	10 m
12130	0985 342 104/15 M umspritzt	15 m
12139	0985 342 104/20 M umspritzt	20 m
12143	0985 342 104/25 M umspritzt	25 m
12144	0985 342 104/30 M umspritzt	30 m
12145	0985 342 104/35 M umspritzt	35 m
12146	0985 342 104/40 M umspritzt	40 m
12148	0985 342 104/45 M umspritzt	45 m
12149	0985 342 104/50 M umspritzt	50 m
16939	0985 342 104/60 M umspritzt	60 m
17375	0985 342 104/65 M umspritzt	65 m
16940	0985 342 104/70 M umspritzt	70 m

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