

Product: [PP12M-MAS54D-0342](#)

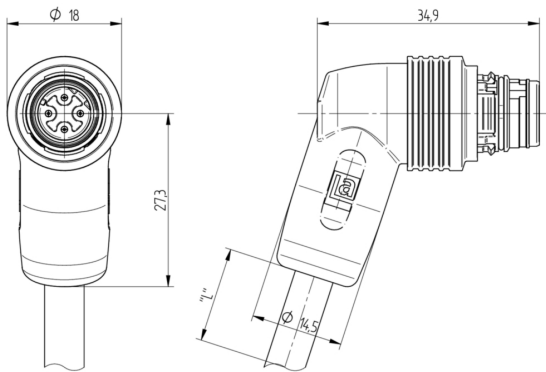


Fast Ethernet Cat5e Data Single-Ended Cordset: M12 PushPull Standard, male, angled, 4-pin, D-coded, shielded

Product Description

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

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Data Connectors
Side 1 Product Sub Family:	M12 Standard Push Pull
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	angled
Number of Pins:	4
Coding, Side 1:	D
Shielding Type:	Shielded
Attachment Type:	Inner Push Pull
Voltage Rating:	60 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm

Mating Cycles:	≤ 100
Protection Degree / IP Rating**:	IP65, IP67
Side 1 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

Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	PA
Shielding Material:	GD-Zn, nickel-plated

Additional Technical Data

Fastening Torque (Attachment):	PushPull
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Cable Data

Cable Number:	342
Conductor Size:	2x2x0.34 mm²
Number of Wires:	4
Cycles (Torsion):	> 2 M @ ± 360 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	green
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 FT2
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:	quad: white & blue, yellow & orange

Approvals

UL-File:	pending
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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:	IEC 60811:404

Notes

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