

VS-M12MS-OE-94B-LI/5,0

Order No.: 1407848



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Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), M12 connector to free cable end, line, length 5 m

Ethernet

Commercial data	
EAN	
Note	Made-to-order
sales group	D514
Pack	1 Pcs.
Customs tariff	85444210
Gross weight in pieces	0.2478 KG
Net weight per piece	0.2355 KG
Catalog page information	Page 301 (PC-2011)

Product notes

WEEE/RoHS-compliant since: 11/24/2008

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Technical data

Mechanical characteristics	
Number of positions	8
Number of slots	1
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.40 mm
Cable exit	Straight

Cable structure	4x2xAWG26/7; S-FTP
Smallest bending radius, fixed installation	min. 32 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 32 mm (cable, flexible installation)
Length of cable	5 m
Ambient temperature (operation)	-25 °C ... 80 °C (cable, fixed installation) -5 °C ... 60 °C (cable, flexible installation)

Material data

Inflammability class according to UL 94	HB
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Degree of protection	IP65/IP67/IP69K

Line characteristics

Cable type	Ethernet
Cable structure	4x2xAWG26/7; S-FTP
Conductor cross section	4x 2x 0.14 mm ²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1.04 mm
Thickness, insulation	0.28 mm (signal line) 0.65 mm (Outer cable sheath)
External cable diameter	6.4 mm ± 0.2 mm
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/ brown-brown
External sheath, color	water blue RAL 5021
Transmission medium	Copper
Insulation resistance	≥ 500 MΩ*km (at 20 °C)
Conductor resistance	≤ 290 Ω/km (at 20 °C)
Transmission characteristics (category)	CAT6 _A
Wave impedance	100 Ω ± 5 Ω (At 100 MHz)
Signal runtime	5.3 ns/m
Shield attenuation	≥ 80 dB (At 30 ... 100 MHz)
Nominal voltage, conductor	≤ 100 V (at 20 °C)
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Twisted pairs	2 cores to the pair

Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs
Shielding	Tinned copper braided shield
Optical shield covering	70 %
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Cable weight	43 kg/km
Smallest bending radius, fixed installation	25.6 mm
Smallest bending radius, movable installation	51.2 mm
Tensile strength short-term/long-term	≤ 100 N
Flame resistance	IEC 60332-1-2
Halogen-free	According to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation) -10 °C ... 50 °C (cable, flexible installation)

Certificates / Approvals

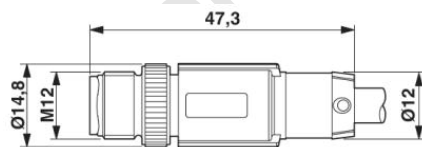
Certification

Certifications applied for:

Certification Ex:

Drawings

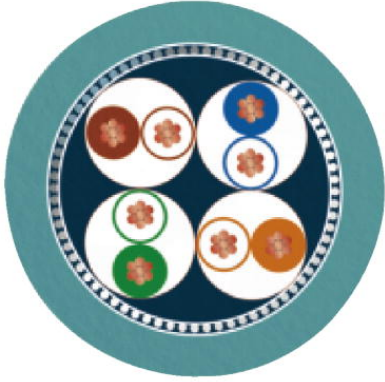
Dimensioned drawing



M12 x 1 male connector, straight, shielded

Schematic diagram

Ethernet [94F]



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