

VS-M12MS-M12MS-93E-LI/2,0

Order No.: 1406632



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Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 plug on M12 plug, line, length 2 m

Ethernet

Commercial data

EAN	4 046356 476171
sales group	D514
Pack	1 Pcs.
Customs tariff	85444210
Gross weight in pieces	0.1242 KG
Net weight per piece	0.1213 KG
Catalog page information	Page 203 (PC-2009)

Product notes

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



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Technical data

Mechanical characteristics

Number of positions	4
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.70 mm
Cable structure	2x2xAWG26/7; SF/UTP

Length of cable	2 m
Ambient conditions	
Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)
Degree of protection	IP65/IP67/IP69K
Material data	
Inflammability class according to UL 94	V0
Contact carrier material	PA 66
Contact material	CuSn
Contact surface material	Ni/Au
Cable gland material	Zinc die-cast, nickel-plated
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Electrical characteristics	
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Line characteristics	
Cable type	Ethernet
Cable structure	2x2xAWG26/7; SF/UTP
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1 mm
External cable diameter	5.90 mm
Wire colors	white/orange-orange, white/green-green
External sheath, color	water blue RAL 5021
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 284 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	48 nF (At 800 Hz)
Wave impedance	100 Ω ±15 % (at 1 ... 100 MHz)
Nominal voltage, cable	125 V
Test voltage Core/Core	1000 V
Test voltage Core/Shield	500 V

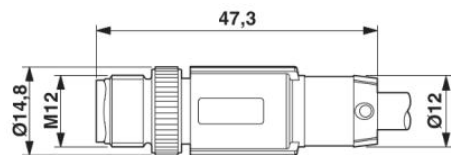
Twisted pairs	2 cores to the pair
Overall twist	Two pairs with two fillers to the core
Shielding	Plastic-coated aluminum foil, tinned copper braided shield
Optical shield covering	85 %
Outer sheath, material	PUR
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	30 mm (cable, fixed installation)
Smallest bending radius, movable installation	78 mm (cable, flexible installation)

Certificates / Approvals

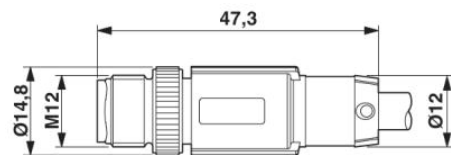
Certification
Certifications applied for:
Certification Ex:

Drawings

Dimensioned drawing

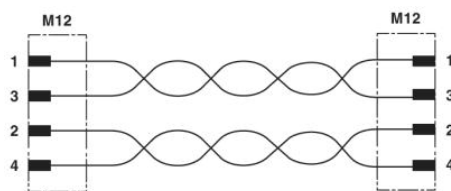


Plug, M12 x 1, straight, shielded



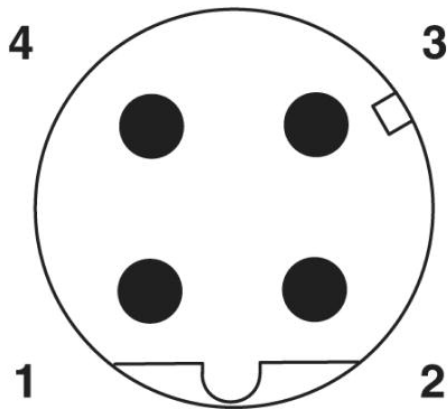
Plug, M12 x 1, straight, shielded

Circuit diagram

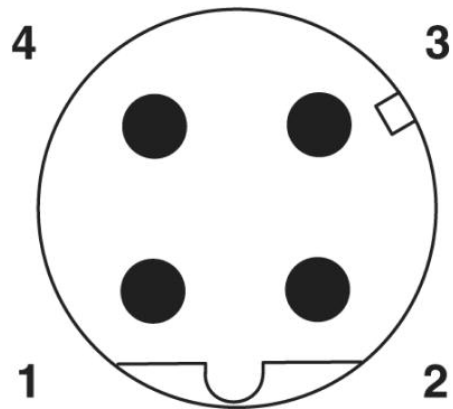


Contact assignment of M12 connector/socket

Schematic diagram

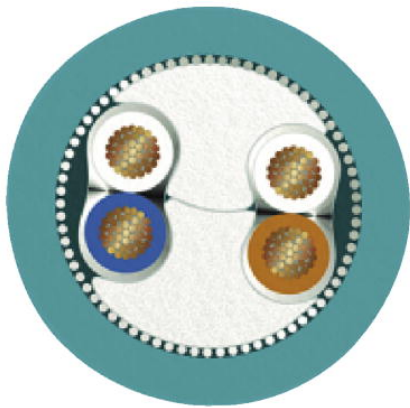


Pin assignment M12 male connector, 4-pos., D-coded, male side



Pin assignment M12 male connector, 4-pos., D-coded, male side

Ethernet [93E]



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