

VS-M12MSD-RJ45X-931/ 2,0

Order No.: 1561797

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Assembled Ethernet cable, CAT5e, shielded, 2-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 4-pos. D-coded on RJ45 connector, length: 2 m, customer version

Ethernet**Commercial data**

EAN	4046356288637
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.1259 KG

Product notes

WEEE/RoHS-compliant since:
04/03/2007



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Technical data**Mechanical characteristics**

Number of positions	4
Shielded	Yes
Cable diameter	6.70 mm
Cable structure	2x2xAWG26/7; S-FTP

Smallest bending radius, fixed installation	Min. 35 mm
Smallest bending radius, movable installation	Min. 35 mm
Length of cable	2 m
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)
	(plug/socket)

Material data

Housing material	TPU/PA
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Degree of protection	IP67/IP20

Electrical characteristics

Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
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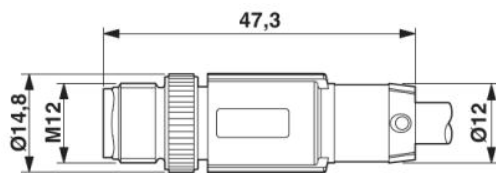
Line characteristics

Cable type	Ethernet
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure, signal line	7x 0.15 mm
Core diameter including insulation	1.05 mm
External cable diameter	6.70 mm
Wire colors	White-green, white-orange
External sheath, color	water blue RAL 5021
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 150 Ω/km
Working capacitance	42 pF
Wave impedance	100 Ω ±5% (At 100 MHz)
Signal speed	0.72 c
Shield attenuation	60 dB (Up to 1000 MHz)
Coupling resistance	5.00 mΩ/m (At 10 MHz)
Nominal voltage, conductor	Max. 125 V
Test voltage, conductor	1000 V
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core

Shielding	Braided shielding made of tin-plated copper wires
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	34 mm
Special properties	Free of substances which would hinder coating with paint or varnish
Flame resistance	complying with IEC 60332-2-2
Freedom from halogen	complying with IEC 60754-1/2
Resistance to oil	complying with DIN EN 60811-2-1
Other resistance	Microbe resistance as per VDE 0282 section 10
	Hydrolysis resistance as per DIN 53504

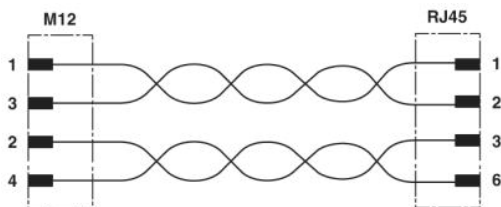
Drawings

Dimensioned drawing

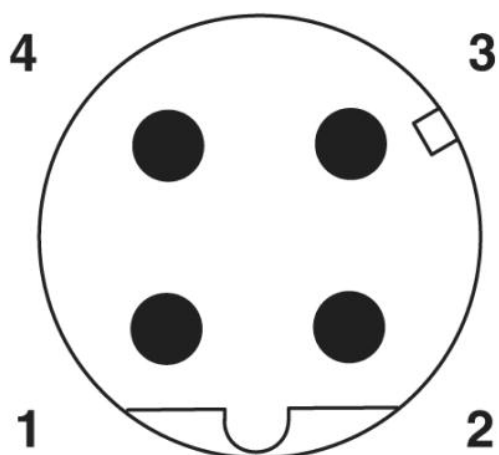


M12 x 1 male connector, straight, shielded

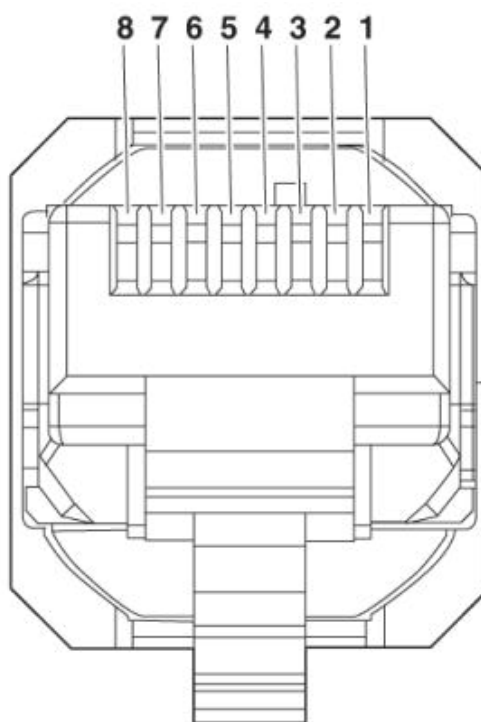
Circuit diagram



Schematic diagram



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



Connector pin assignment plug RJ45

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