

Network cable - VS-M12MSD-M12MSD-93E-CO/0,5 - 1401599


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Network cable, Ethernet, 4-position, PUR, water blue RAL 5021, shielded, Plug straight M12, coding: D, on Plug straight M12, coding: D, cable length: 0.5 m

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 046356 566667
GTIN	4046356566667

Technical data

Dimensions

Length of cable	0.5 m
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Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)
	-20 °C ... 70 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

General data

Rated current at 40°C	4 A
Rated voltage	48 V AC
	60 V DC
Number of positions	4
Signal type/category	Ethernet
Overvoltage category	II
Degree of pollution	3
Contact material	CuSn

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Technical data

General data

Contact carrier material	PA 6.6
Contact surface material	Ni/Au

Characteristics head 1

Head type	Plug straight M12
Coding	D (Data)

Characteristics head 2

Head type	Plug straight M12
Coding	D (Data)

Standards and Regulations

Flammability rating according to UL 94	V0
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Cable

Cable type	Ethernet
Cable type (abbreviation)	930
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	7x 0.20 mm
Core diameter including insulation	1.4 mm
Wire colors	White-green, white-orange
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 cores with 2 fillers to the core
Shielding	Braided shielding made of galvanized copper wires
Optical shield covering	65 %
External sheath, color	water blue RAL 5021
Smallest bending radius, fixed installation	min. 40 mm
Smallest bending radius, movable installation	min. 40 mm
Cable weight	54 kg/km
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Insulation resistance	5 GΩ*km
Conductor resistance	84 mΩ/m
Working capacitance	42.5 pF
Wave impedance	100 Ω ±5 %
Signal speed	0.72 c
Signal runtime	46 ns/m
Shield attenuation	60 dB (up to 1000 MHz)
Interference suppression	90 dB (up to 1000 MHz)
Nominal voltage, cable	125 V

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Technical data

Cable

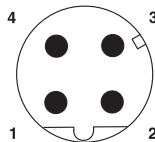
Test voltage, cable	1000 V
Ambient temperature (operation)	-20 °C ... 70 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

Environmental Product Compliance

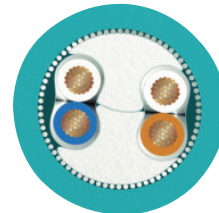
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram



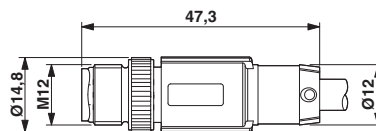
Cable cross section



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

Ethernet [930]

Dimensional drawing



Plug, M12 x 1, straight, shielded

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