

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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
-----------------	-------

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

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

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
--	----

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

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

Technical data

Cable

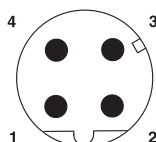
Test voltage, cable	1000 V
Ambient temperature (operation)	-20 °C ... 70 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

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"

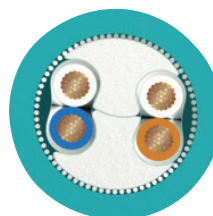
Drawings

Schematic diagram



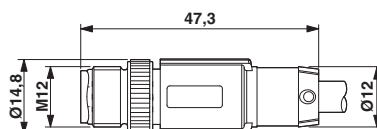
Pin assignment M12 male connector, 4-pos., D-coded, male side

Cable cross section



Ethernet [930]

Dimensional drawing



Plug, M12 x 1, straight, shielded