

Network cable - VS-M12MS-IP20-94B-LI/3,0 - 1403492

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>)



Assembled Ethernet cable, shielded, 4-pair, 26 AWG stranded (7-wire), RAL 5021 (water blue), M12 plug to RJ45 plug/IP20, line, length 3 m

RoHS

Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 656122
GTIN	4046356656122
Weight per Piece (excluding packing)	180.000 g
Custom tariff number	85444210
Country of origin	Poland

Technical data

Mechanical characteristics

Number of positions	8
Insertion/withdrawal cycles	≥ 100
Cable exit	straight
Length of cable	3 m
No. of cable outlets	1

Ambient conditions

Ambient temperature (operation)	-25 °C ... 60 °C (cable, fixed installation)
	-5 °C ... 60 °C (cable, flexible installation)

Material data

Flammability rating according to UL 94	HB
--	----

Network cable - VS-M12MS-IP20-94B-LI/3,0 - 1403492

Technical data

Standards and Regulations

Flammability rating according to UL 94	HB
--	----

Line characteristics

Cable type	Ethernet, flexible, CAT5
Cable abbreviation	02YS(ST)C11Y
UL AWM style	20963 (80°C/30 V)
Cable structure	4x2xAWG26/7; SF/UTP
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	0.96 mm
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
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	≤ 100.00 mΩ/m (At 10 MHz)
Nominal voltage, cable	≤ 100 V
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
Overall twist	4 pairs for core
Shielding	Aluminum-coated foil, tinned copper braided shield
Optical shield covering	70 %
Outer sheath, material	PUR
Material conductor insulation	Foamed PE
Conductor material	Bare Cu litz wires
Cable weight	47 kg/km
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Tensile strength short-term/long-term	≤ 100 N
Flame resistance	according to IEC 60332-1-2
Halogen-free	According to IEC 60754-1
Resistance to oil	according to EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)

Network cable - VS-M12MS-IP20-94B-LI/3,0 - 1403492

Technical data

Line characteristics

	-20 °C ... 80 °C (cable, flexible installation)
--	---

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

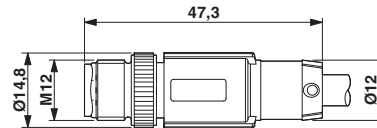
Drawings

Cable cross section



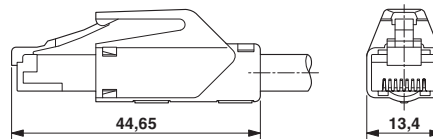
Ethernet, flexible, CAT5 [94B]

Dimensional drawing



Plug, M12 x 1, straight, shielded

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27060390
eCl@ss 7.0	27060390
eCl@ss 8.0	27060308
eCl@ss 9.0	27060308

Network cable - VS-M12MS-IP20-94B-LI/3,0 - 1403492

Classifications

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002061
ETIM 5.0	EC002599
ETIM 6.0	EC002599

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	26121616
UNSPSC 13.2	26121604