

Network cable - VS-M12MS-IP20-94C-LI/2,0 - 1413007

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://download.phoenixcontact.com>)



Assembled Ethernet cable, shielded, 4-pair, AWG 26 suitable for use with drag chain (19-wire), RAL 5021 (sea blue), M12 male plug on RJ45 plug/IP20, line, length 2 m



Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	180.0 GRM
Custom tariff number	85444210
Country of origin	Poland

Technical data

Mechanical characteristics

Number of positions	8
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	7.70 mm
Cable exit	Straight
Cable structure	4x2xAWG26/19; S-UTP
Length of cable	2 m

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

Material data

Inflammability class according to UL 94	HB
Outer sheath, material	PUR

Line characteristics

Network cable - VS-M12MS-IP20-94C-LI/2,0 - 1413007

Technical data

Line characteristics

Cable type	Ethernet
Cable structure	4x2xAWG26/19; S-UTP
Conductor cross section	4x 2x 0.16 mm ²
AWG signal line	26
Conductor structure signal line	19x 0.10 mm
Core diameter including insulation	max. 1 mm
External cable diameter	7.7 mm
Wire colors	White-blue, white-orange, white-green, white-brown
External sheath, color	water blue RAL 5021
Transmission medium	Copper
Insulation resistance	min. 0.5 GΩ*km
Conductor resistance	max. 125 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	57 nF
Wave impedance	100 Ω ± 5 Ω (At 100 MHz)
Nominal voltage, cable	125 V
Test voltage Core/Core	1000 V
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Outer sheath, material	PUR
Material, inner sheath	Elastomer
Material conductor insulation	Teflon
Conductor material	Bare Cu litz wires
Cable weight	70 kg/km
Smallest bending radius, fixed installation	39 mm (cable, fixed installation)
Smallest bending radius, movable installation	39 mm (cable, flexible installation)
Max. bending cycles	5000000
Bending radius	57.8 mm
Traversing path	1.8 m
Traversing rate	3 m/s
Acceleration	9 m/s ²
Flame resistance	IEC 60332-2-2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Hydrolysis resistance as per DIN 53504
	resistant to welding splash in accordance with DIN VDE 0282
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)

Network cable - VS-M12MS-IP20-94C-LI/2,0 - 1413007

Technical data

Line characteristics

	0 °C ... 50 °C (cable, flexible installation)
--	---

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27060307
eCl@ss 6.0	27060390
eCl@ss 7.0	27060390
eCl@ss 8.0	27060390

ETIM

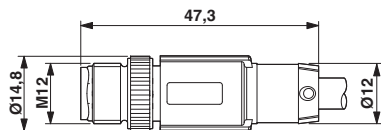
ETIM 3.0	EC000830
ETIM 4.0	EC002599
ETIM 5.0	EC000830

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Drawings

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Circuit diagram

