

Network cable - VS-PPC/PL-PPC/PL-94B-LI/5,0 - 1412532

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Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (sea blue), RJ45 connector/ IP67 push/pull plastic housing to RJ45 connector/IP67 push/pull plastic housing, line, length 5 m



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	222.22 GRM
Custom tariff number	85444210
Country of origin	Germany

Technical data

Dimensions

Length of cable	5 m
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Ambient conditions

Degree of protection	IP65
	IP67

General data

Number of positions	8
Signal type/category	Ethernet CAT5
Standards/regulations	IEC PAS 61076-3-117
Pollution degree	2

Characteristics head 1

Head type	Plug Straight RJ45 Push Pull / IP67
No. of positions (pin connector pattern)	8
Material (component)	Plastic

Characteristics head 2

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Characteristics head 2

Head type	Plug Straight RJ45 Push Pull / IP67
No. of positions (pin connector pattern)	8
Material (component)	Plastic

Cable

Cable type	Ethernet
Cable type (abbreviation)	94F
Signal type/category	Ethernet CAT6 _A
Cable structure	4x2xAWG26/7; S/FTP
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	1.04 mm
Thickness, insulation	0.28 mm (signal line)
	0.65 mm (Outer cable sheath)
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs
Shielding	Tinned copper braided shield
Optical shield covering	70 %
External sheath, color	water blue RAL 5021
External cable diameter D	6.4 mm ±0.2 mm
Smallest bending radius, fixed installation	25.6 mm
Smallest bending radius, movable installation	51.2 mm
Tensile strength short-term/long-term	≤ 100 N
Cable weight	43 kg/km
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 500 MΩ*km (at 20 °C)
Conductor resistance	≤ 290000000 Ω/km (at 20 °C)
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Shield attenuation	≥ 80 dB (at 30 ... 100 MHz)
Nominal voltage, cable	≤ 100 V (at 20 °C)
Test voltage Core/Core	700 V (50 Hz, 1 min.)

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Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Flame resistance	IEC 60332-1-2
Halogen-free	According to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °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	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC002599
ETIM 5.0	EC000830

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

Drawings

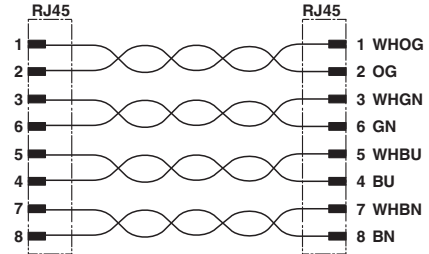
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Cable cross section

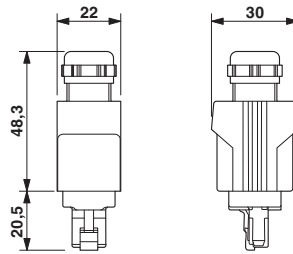


Ethernet [94F]

Circuit diagram



Dimensioned drawing



Push-pull RJ45 connector IP65/67