

Network cable - VS-PPC/PL-OE-94F-LI/5,0 - 1415403

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, CAT6, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), RJ45 plug/ IP67 push-pull plastic housing on free conductor end, 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 | Poland |

Technical data

Mechanical characteristics

| | |
|-----------------------------|---------------------|
| Standards/specifications | IEC PAS 61076-3-117 |
| Number of positions | 8 |
| Number of slots | 1 |
| Connection profile | RJ45 8(8) |
| Locking type | Push Pull |
| Shielded | Yes |
| Insertion/withdrawal cycles | ≥ 200 |
| Cable diameter | 6.70 mm |
| Cable exit | Straight |
| Cable structure | 4x2xAWG26/7; S/FTP |
| Length of cable | 5 m |
| Color | black |

Ambient conditions

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -25 °C ... 60 °C (cable, fixed installation) |
| | -10 °C ... 50 °C (cable, flexible installation) |

Network cable - VS-PPC/PL-OE-94F-LI/5,0 - 1415403

Technical data

Ambient conditions

| | |
|----------------------|---------|
| Degree of protection | IP65/67 |
|----------------------|---------|

Material data

| | |
|---|---------------------|
| Inflammability class according to UL 94 | V2 |
| Outer sheath, material | PUR |
| External sheath, color | water blue RAL 5021 |

Electrical characteristics

| | |
|---|------|
| Transmission characteristics (category) | CAT6 |
|---|------|

Line characteristics

| | |
|---|--|
| Cable type | Ethernet |
| 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) |
| 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 (at 20 °C) |
| Conductor resistance | ≤ 290000000 Ω/km (at 20 °C) |
| Transmission characteristics (category) | CAT6 _A |
| 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.) |
| Test voltage Core/Shield | 700 V (50 Hz, 1 min.) |
| 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 % |
| Outer sheath, material | PUR |

Network cable - VS-PPC/PL-OE-94F-LI/5,0 - 1415403

Technical data

Line characteristics

| | |
|---|---|
| Material conductor insulation | PE |
| Conductor material | Bare Cu litz wires |
| Cable weight | 43 kg/km |
| Smallest bending radius, fixed installation | 25.6 mm |
| Smallest bending radius, movable installation | 51.2 mm |
| Tensile strength short-term/long-term | ≤ 100 N |
| 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

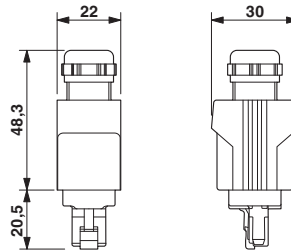
Network cable - VS-PPC/PL-OE-94F-LI/5,0 - 1415403

Cable cross section



Ethernet [94F]

Dimensioned drawing



Push-pull RJ45 connector IP65/67