

https://www.phoenixcontact.com/cn/products/1416017



Network cable - VS-BU/C6-PPC/PL-94F-LI/5,0 - 1416017


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Assembled Ethernet cable, CAT6, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), RJ45 socket module/IP20 for Freenet system, 8-pos. on RJ45 plug/IP67 push-pull plastic housing, line, length 5 m

RoHS

Key Commercial Data

| | |
|----------------------|---|
| Packing unit | 1 STK |
| GTIN |  4 046356 475037 |
| GTIN | 4046356475037 |
| Custom tariff number | 8536909000 |
| Sales Key | ABNAED |

Technical data

Dimensions

| | |
|-----------------|-----|
| Length of cable | 5 m |
|-----------------|-----|

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -20 °C ... 60 °C (cable, fixed installation) |
|---------------------------------|--|

General data

| | |
|---------------------------------------|----------------|
| Number of positions | 8 |
| Signal type/category | Ethernet CAT6 |
| Degree of pollution | 2 |
| | 2 |
| Alternative short product description | Ethernet cable |

Characteristics head 1

| | |
|--|-------------------------------------|
| Head type | Socket module straight RJ45 Freenet |
| No. of positions (pin connector pattern) | 8 |

Characteristics head 2

| | |
|-----------|-------------------------------------|
| Head type | Plug straight RJ45 Push Pull / IP67 |
|-----------|-------------------------------------|

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Technical data

Characteristics head 2

| | |
|--|---|
| No. of positions (pin connector pattern) | 8 |
|--|---|

Standards and Regulations

| | |
|--|----|
| Flammability rating according to UL 94 | V2 |
|--|----|

Cable

| | |
|---|--|
| Cable type | Ethernet 10 Gbit |
| Cable type (abbreviation) | 94F |
| UL AWM style | 20963 (80°C/30 V) |
| Signal type/category | Ethernet CAT6 _A , 10 Gbps |
| 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 |
| 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 foil |
| Overall twist | 4 pairs for core |
| Shielding | Tinned copper braided shield |
| Optical shield covering | 70 % |
| External sheath, color | water blue RAL 5021 |
| Outer sheath thickness | 0.65 mm |
| External cable diameter D | 6.4 mm ±0.2 mm |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 8 x D |
| Tensile strength short-term/long-term | ≤ 100 N |
| Cable weight | 42 kg/km |
| Outer sheath, material | PUR |
| Material conductor insulation | Foamed PE |
| Conductor material | Bare Cu litz wires |
| Insulation resistance | ≥ 500 MΩ*km |
| Loop resistance | ≤ 290 Ω (per km) |
| Wave impedance | 100 Ω ±5 Ω (at 100 MHz) |
| Signal runtime | 5.13 ns/m |
| Shield attenuation | ≥ 80 dB (at 30 ... 100 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.) |
| Flame resistance | according to IEC 60332-1-2 |
| Halogen-free | According to IEC 60754-1 |

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Technical data

Cable

| | |
|---|---|
| Resistance to oil | in accordance with DIN EN 60811-2-1 |
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -20 °C ... 80 °C (cable, flexible installation) |
| Ambient temperature (installation) | -20 °C ... 80 °C |
| Ambient temperature (storage/transport) | -20 °C ... 80 °C |

Environmental Product Compliance

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

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| | | |
|-----|--|---------|
| EAC | | B.00767 |
|-----|--|---------|

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