

## Network cable - VS-IP67-IP67-94B-LI/5,0 - 1412118

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



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 STK    |
| Weight per Piece (excluding packing) | 280.0 g  |
| Custom tariff number                 | 85444210 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

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

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP67 |
|----------------------|------|

#### General data

|                      |          |
|----------------------|----------|
| Number of positions  | 8        |
| Signal type/category | Ethernet |
| Degree of pollution  | 2        |

#### Characteristics head 1

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

#### Characteristics head 2

|           |                    |
|-----------|--------------------|
| Head type | Plug straight RJ45 |
|-----------|--------------------|

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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, flexible, CAT5                                                   |
| Cable type (abbreviation)                     | 94B                                                                        |
| UL AWM style                                  | 20963 (80°C/30 V)                                                          |
| Signal type/category                          | Ethernet CAT5 (IEC 11801), 1 Gbps                                          |
| Cable structure                               | 4x2xAWG26/7; SF/UTP                                                        |
| Conductor cross section                       | 4x 2x 0.14 mm <sup>2</sup>                                                 |
| AWG signal line                               | 26                                                                         |
| Conductor structure signal line               | 7x 0.16 mm                                                                 |
| Core diameter including insulation            | 0.96 mm                                                                    |
| Wire colors                                   | white/blue-blue, white/orange-orange, white/green-green, white/brown-brown |
| 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 %                                                                       |
| External sheath, color                        | water blue RAL 5021                                                        |
| Outer sheath thickness                        | 1.05 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                                  | 47 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)                                                           |
| Cable capacity                                | 48 nF/km (at 1 kHz)                                                        |
| 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.)                                                      |

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### Technical data

#### Cable

|                                         |                                                 |
|-----------------------------------------|-------------------------------------------------|
| 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                        |
| Resistance to oil                       | according to 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                                |

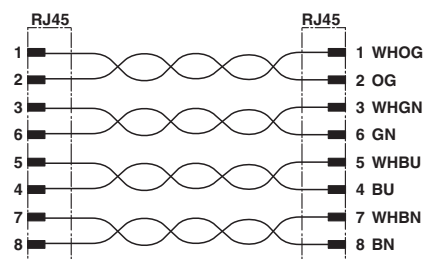
### Drawings

Cable cross section

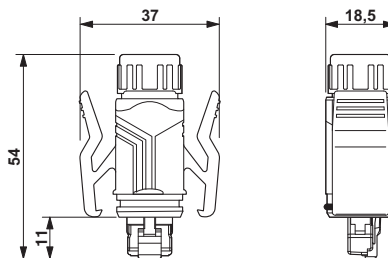


Ethernet, flexible, CAT5 [94B]

Circuit diagram



Dimensional drawing



### 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 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27061801 |
| eCl@ss 8.0 | 27060308 |
| eCl@ss 9.0 | 27060308 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000830 |
| ETIM 4.0 | EC002599 |
| ETIM 5.0 | EC002599 |

#### UNSPSC

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