

## Patch cable - VS-RJ45-RJ45R-94P-5,0 - 1418154

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Patch cable, CAT5e, 4-pair, shielded, line, assembled at both ends with straight and angled RJ45/IP20 heads, length: 5 m

### Key commercial data

|                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| Packing unit           | 0                                                                                                      |
| Minimum order quantity | 1                                                                                                      |
| Catalog page           | Page 318 (PC-2011)                                                                                     |
| GTIN                   | <br>4 046356 534383 |
| Custom tariff number   | 85444210                                                                                               |
| Country of origin      | CHINA                                                                                                  |

### Technical data

#### Mechanical characteristics

|                                               |                                       |
|-----------------------------------------------|---------------------------------------|
| Number of positions                           | 8                                     |
| Type of cable                                 | Round cable                           |
| Cable structure                               | 4x2xAWG26/7; S-UTP                    |
| Smallest bending radius, fixed installation   | 50 mm                                 |
| Smallest bending radius, movable installation | 62 mm                                 |
| Length of cable                               | 5 m                                   |
| Ambient temperature (operation)               | -10 °C ... 50 °C (Flexibly installed) |
| Ambient temperature (operation)               | -25 °C ... 60 °C (fixed routing)      |

#### Material data

|                        |                     |
|------------------------|---------------------|
| Outer sheath, material | PUR                 |
| External sheath, color | water blue RAL 5021 |
| Degree of protection   | IP20                |

#### Electrical characteristics

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| Number of positions                     | 8                                            |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001) |

#### Line characteristics

|            |          |
|------------|----------|
| Cable type | Ethernet |
|------------|----------|

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### Technical data

#### Line characteristics

|                                               |                                                                            |
|-----------------------------------------------|----------------------------------------------------------------------------|
| Cable structure                               | 4x2xAWG26/7; S-FTP                                                         |
| Conductor cross section                       | 4 x 2 x 0.14 mm <sup>2</sup>                                               |
| 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)                                                      |
| Thickness, insulation                         | 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                          | ≤ 290 Ω/km (at 20 °C)                                                      |
| Transmission characteristics (category)       | CAT6A                                                                      |
| 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, conductor                    | ≤ 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                                                                        |
| Material conductor insulation                 | PE                                                                         |
| Conductor material                            | Bare Cu litz wires                                                         |
| Cable weight                                  | 42 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)               | -20 °C ... 80 °C (Cable)                                                   |

### Classifications

#### eclass

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250591 |
| eCl@ss 4.1 | 27240409 |

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#### eclass

|            |          |
|------------|----------|
| eCl@ss 5.0 | 27259207 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 19170107 |
| eCl@ss 7.0 | 19170112 |

#### etim

|          |          |
|----------|----------|
| ETIM 2.0 | EC001262 |
| ETIM 3.0 | EC001262 |
| ETIM 4.0 | EC000830 |

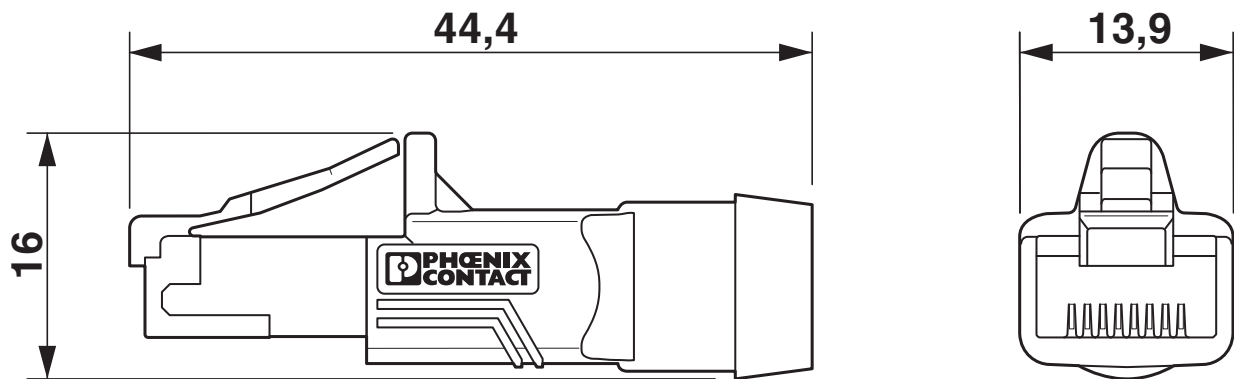
#### unspsc

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121609 |
| UNSPSC 7.0901 | 26121609 |
| UNSPSC 11     | 26121609 |
| UNSPSC 12.01  | 26121609 |
| UNSPSC 13.2   | 26121609 |

### Drawings

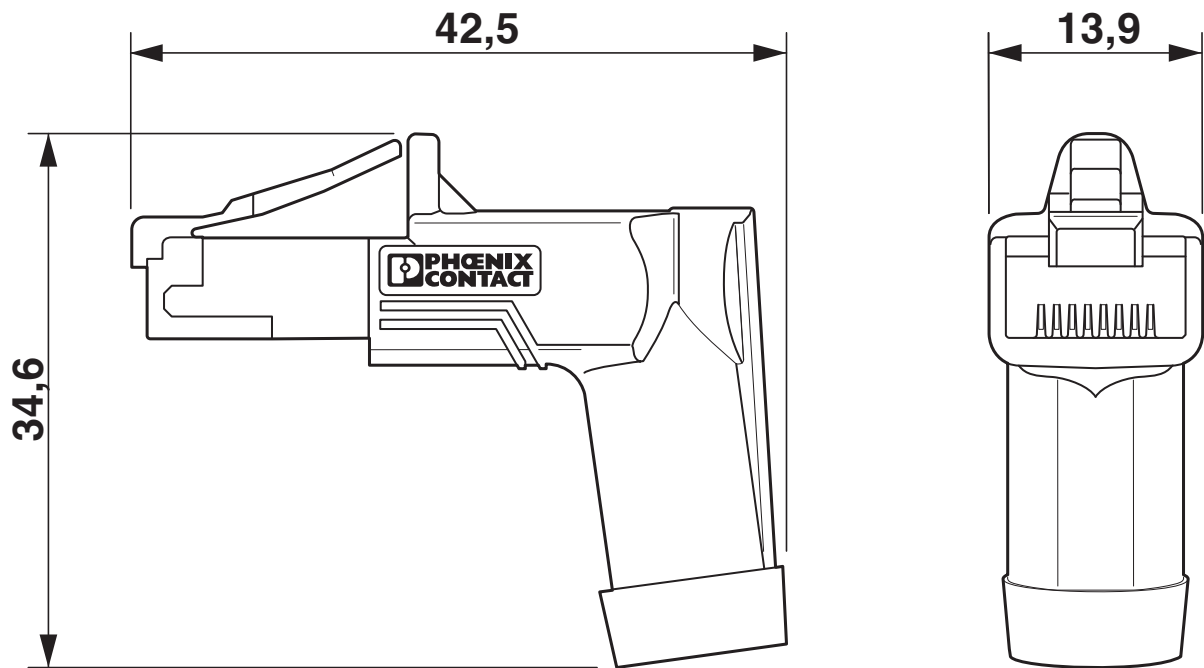
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Dimensioned drawing



## Patch cable - VS-RJ45-RJ45R-94P-5,0 - 1418154

Dimensioned drawing



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Circuit diagram

