

## Patch cable - VS-RJ45R-RJ45R-94P-0,3 - 1418015

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Patch cable, CAT5e, 4-pair, shielded, line, assembled at both ends with angled RJ45/IP20 heads, length: 0.3 m



**Ethernet**

### Key commercial data

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit         | 1 PCE                                                                                                   |
| Catalog page         | Page 318 (PC-2011)                                                                                      |
| GTIN                 | <br>4 046356 534277 |
| 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                               | 0.3 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                |

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### Technical data

#### Electrical characteristics

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

#### Line characteristics

|                                               |                                                                            |
|-----------------------------------------------|----------------------------------------------------------------------------|
| Cable type                                    | Ethernet, flexible, CAT5e                                                  |
| 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            | 0.98 mm                                                                    |
| Thickness, insulation                         | 0.25 mm (signal line)                                                      |
| Thickness, insulation                         | 1 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)       | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)                               |
| Working capacitance                           | 48 nF (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, 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                                                        |
| Overall twist                                 | 4 pairs                                                                    |
| Shielding                                     | Aluminum-coated foil, tinned copper braided shield                         |
| Optical shield covering                       | 70 %                                                                       |
| Outer sheath, material                        | PUR                                                                        |
| Material conductor insulation                 | PE                                                                         |
| Conductor material                            | Bare Cu litz wires                                                         |
| Cable weight                                  | 47 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                                                                    |

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### Technical data

#### Line characteristics

|                                 |                                                 |
|---------------------------------|-------------------------------------------------|
| 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 ... 80 °C (cable, fixed installation)    |
| Ambient temperature (operation) | -20 °C ... 80 °C (cable, flexible installation) |

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001262 |
| ETIM 3.0 | EC001262 |
| ETIM 4.0 | EC000830 |
| ETIM 5.0 | EC000830 |

#### UNSPSC

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

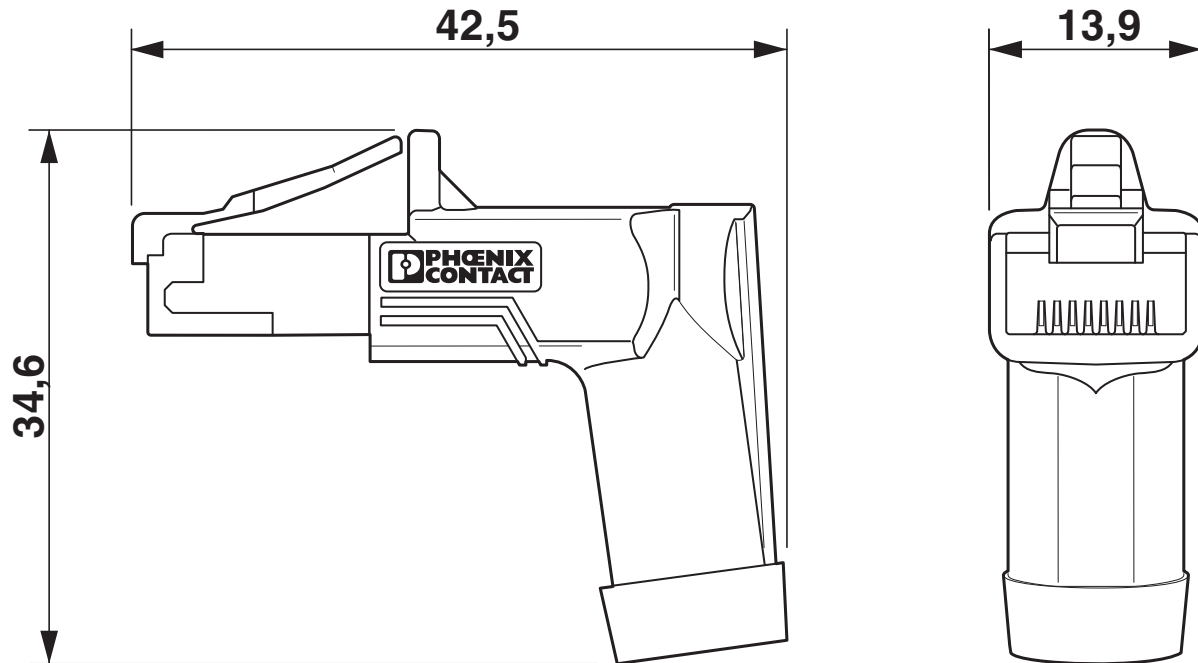
#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250591 |
| eCl@ss 4.1 | 27240409 |
| eCl@ss 5.0 | 27259207 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 19170107 |
| eCl@ss 7.0 | 19170112 |

### Drawings

## Patch cable - VS-RJ45R-RJ45R-94P-0,3 - 1418015

Dimensioned drawing



## Patch cable - VS-RJ45R-RJ45R-94P-0,3 - 1418015

Circuit diagram

