

## Patch cable - VS-04-2X2X26C7/7-SDA/OE/1,0 - 1655771

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Assembled USB cable, shielded, color: RAL 5021 (water blue), PUR outer sheath, USB type A/standard on open cable end, length: 1 m



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Weight per Piece (excluding packing) | 80.3 GRM |
| Custom tariff number                 | 85444290 |
| Country of origin                    | Germany  |

### Technical data

#### Mechanical characteristics

|                             |                                 |
|-----------------------------|---------------------------------|
| Number of positions         | 4                               |
| Shielded                    | Yes                             |
| Insertion/withdrawal cycles | ≥ 500                           |
| Cable diameter              | 6.70 mm                         |
| Cable structure             | 2x2xAWG26/7 + 2xAWG20/19; S/FTP |
| Length of cable             | 1 m                             |

#### Ambient conditions

|                                 |   |
|---------------------------------|---|
| Ambient temperature (operation) | -20 °C ... 60 °C (cable, fixed installation)  |
|                                 | 0 °C ... 50 °C (cable, flexible installation) |
|                                 | (Plug / socket)                               |
| Degree of protection            | IP20  |

#### Material data

|                        |                     |
|------------------------|---------------------|
| Housing material       | PA                  |
| Outer sheath, material | PUR                 |
| External sheath, color | water blue RAL 5021 |

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## Technical data

### Electrical characteristics

|   |         |
|---|---------|
| Rated voltage (III/3)                   | 125 V   |
| Rated current                           | 1 A     |
| Transmission characteristics (category) | USB 2.0 |

### Line characteristics

|   |  |
|---|--|
| Cable type                              | FireWire   |
| Cable structure                         | 2x2xAWG26/7 + 2xAWG20/19; S/FTP                  |
| Conductor cross section                 | 2x 2x 0.14 mm <sup>2</sup> (signal line)         |
|   | 2x 0.5 mm <sup>2</sup> (Power supply)            |
| AWG signal line                         | 26   |
| Conductor structure signal line         | 7x 0.15 mm                                       |
| AWG power supply                        | 20   |
| Conductor structure, voltage supply     | 19x 0.20 mm                                      |
| Core diameter including insulation      | ≤ 1.05 mm (signal line)                          |
|   | nom. 1.4 mm (Power supply)                       |
| External cable diameter                 | 6.7 mm   |
| Wire colors                             | White-blue, white-orange, white, black           |
| External sheath, color                  | water blue RAL 5021                              |
| Insulation resistance                   | 5 GΩ*km  |
| Conductor resistance                    | 150 Ω/km   |
| Transmission characteristics (category) | CAT7, for USB 2.0 (480 Mbps)                     |
| Working capacitance                     | 42 pF (per meter)                                |
| Wave impedance                          | 100 Ω ±5 % (at 100 MHz)                          |
| Signal speed                            | 0.72 c   |
| Signal runtime                          | 4.6 ns/m   |
| Shield attenuation                      | 60 dB (Up to 1000 MHz)                           |
| Interference suppression                | 90 dB (Up to 1000 MHz)                           |
| Coupling resistance                     | 5.00 mΩ/m (At 10 MHz)                            |
| Nominal voltage, cable                  | ≤ 125 V  |
| Test voltage, cable                     | 1000 V   |
| Twisted pairs                           | 2 cores to the pair                              |
| Type of pair shielding                  | Aluminum-lined polyester foil                    |
| Overall twist                           | Two pairs and two power supply wires to the core |
| Shielding                               | Tinned copper braided shield                     |
| Outer sheath, material                  | PUR  |
| Material conductor insulation           | Cell PE (signal line)                            |
|   | PVC (Power supply)                               |
| Conductor material                      | Bare Cu litz wires                               |

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### Technical data

#### Line characteristics

|   |   |
|---|---|
| Cable weight                                  | 59 kg/km  |
| Minimum bending radius, fixed installation    | 5 x D   |
| Minimum bending radius, flexible installation | 5 x D   |
| Tensile strength short-term/long-term         | ≤ 30 N  |
| Special properties                            | Free of substances which would hinder coating with paint or varnish |
| Flame resistance                              | complying with IEC 60332-2-2  |
| Resistance to oil                             | according to EN 60811-2-1   |
| Other resistance                              | Microbe resistance as per DIN VDE 0282                              |
|   | Hydrolysis resistance as per DIN 53504                              |
| Ambient temperature (operation)               | -40 °C ... 70 °C (cable, fixed installation)                        |
|   | -10 °C ... 50 °C (cable, flexible installation)                     |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140816 |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27279218 |
| eCl@ss 7.0 | 27279218 |
| eCl@ss 8.0 | 27279218 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

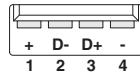
#### UNSPSC

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

### Drawings

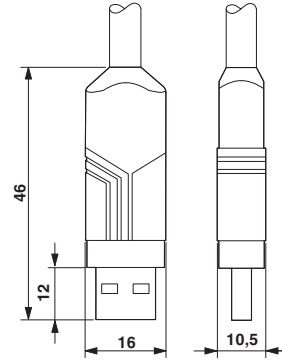
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Schematic diagram



Pin assignment plug USB, type A

Dimensioned drawing



USB connector, type A, Standard

Circuit diagram

