

## Network cable - VS-OE-OE-93J/100,0 - 1402832


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Network cable, PROFINET CAT5 (100 Mbps), 4-position, PUR/FRNC, red, shielded, free cable end, on free cable end, cable length: 100 m



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 046356 650113 |
| GTIN         | 4046356650113   |

### Technical data

#### Dimensions

|                 |       |
|-----------------|-------|
| Length of cable | 100 m |
|-----------------|-------|

#### General data

|   |  |
|---|--|
| Number of positions                     | 4  |
| Signal type/category                    | PROFINET CAT5 (IEC 11801:2002), 100 Mbps |
| Transmission characteristics (category) | CAT5                                     |

#### Cable

|                                    |  |
|------------------------------------|--|
| Cable type                         | PROFINET drag chain CAT5 red                       |
| Cable type (abbreviation)          | 93J  |
| Signal type/category               | PROFINET CAT5 (IEC 11801), 100 Mbps                |
| Cable structure                    | 1x4xAWG22/7; SF/TQ                                 |
| Conductor cross section            | 4x 0.34 mm <sup>2</sup>                            |
| AWG signal line                    | 22   |
| Conductor structure signal line    | 7x 0.25 mm   |
| Core diameter including insulation | 1.5 mm   |
| Wire colors                        | White, yellow, blue, orange                        |
| Overall twist                      | Star quad  |
| Shielding                          | Aluminum-coated foil, tinned copper braided shield |

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## Technical data

### Cable

|   |                                     |
|---|-------------------------------------|
| Optical shield covering                       | 85 %                                |
| External sheath, color                        | red                                 |
| Outer sheath thickness                        | 0.9 mm                              |
| External cable diameter D                     | 6.5 mm ±0.2 mm                      |
| Minimum bending radius, fixed installation    | 5 x D                               |
| Minimum bending radius, flexible installation | 7.5 x D                             |
| Number of bending cycles                      | 3000000                             |
| Bending radius                                | 200 mm                              |
| Traversing path                               | 4 m                                 |
| Traversing rate                               | 4 m/s                               |
| Tensile strength GRP                          | ≤ 150 N                             |
| Cable weight                                  | 61 kg/km                            |
| Outer sheath, material                        | PUR                                 |
| Material, inner sheath                        | FRNC                                |
| Material conductor insulation                 | PE                                  |
| Conductor material                            | Tin-plated Cu litz wires            |
| Insulation resistance                         | ≥ 500 MΩ*km                         |
| Loop resistance                               | ≤ 120.00 Ω/km                       |
| Wave impedance                                | 100 Ω ±15 Ω (at 1 ... 100 MHz)      |
| Signal runtime                                | 5.3 ns/m                            |
| Nominal voltage, cable                        | 600 V (UL)                          |
| Test voltage Core/Core                        | 2000 V (50 Hz, 1 min.)              |
| Test voltage Core/Shield                      | 2000 V (50 Hz, 1 min.)              |
| Flame resistance                              | according to IEC 60332-1-2          |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1 |
| Other resistance                              | UV resistant                        |
| Ambient temperature (operation)               | -40 °C ... 70 °C (Cable)            |
| Ambient temperature (installation)            | -20 °C ... 60 °C                    |
| Ambient temperature (storage/transport)       | -50 °C ... 70 °C                    |

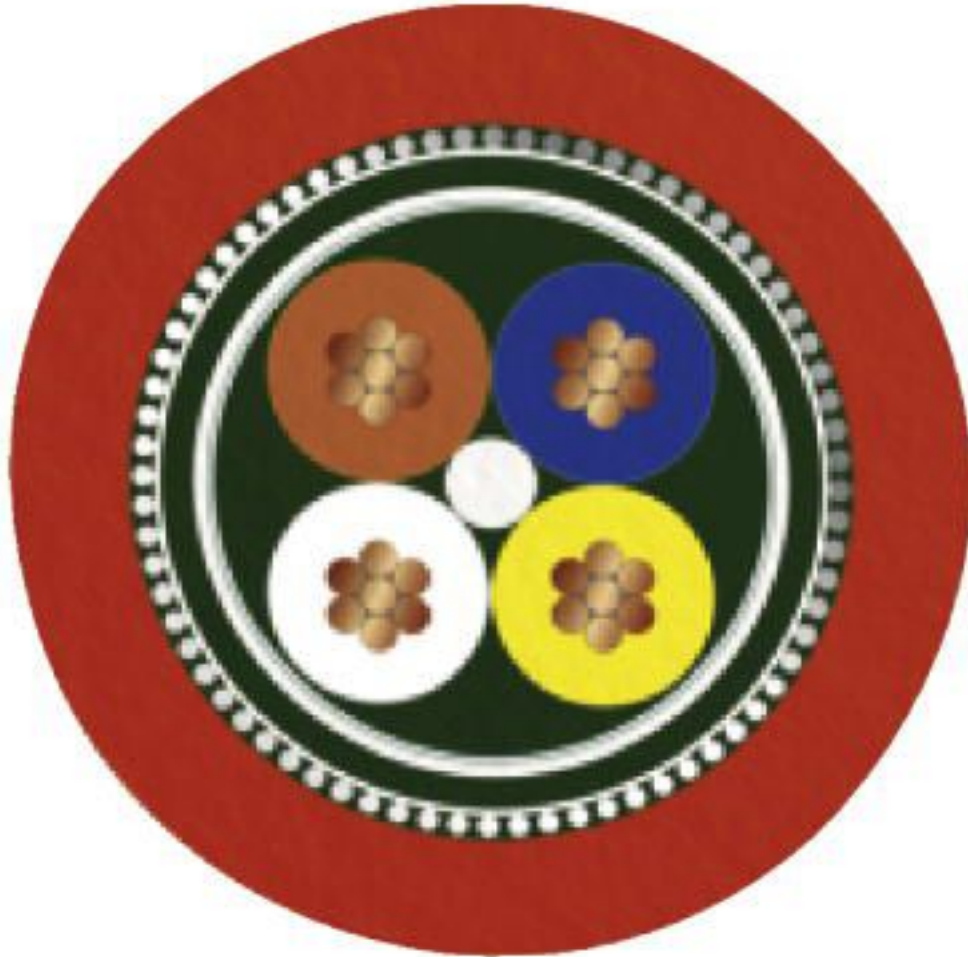
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

### Drawings

## Network cable - VS-OE-OE-93J/100,0 - 1402832

Cable cross section



PROFINET drag chain CAT5 red [93J]

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27060390 |
| eCl@ss 4.0    | 24010400 |
| eCl@ss 4.1    | 24010400 |
| eCl@ss 5.0    | 19030300 |
| eCl@ss 5.1    | 19030300 |
| eCl@ss 6.0    | 27061800 |
| eCl@ss 7.0    | 27061801 |
| eCl@ss 8.0    | 27061801 |
| eCl@ss 9.0    | 27061801 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000830 |
| ETIM 4.0 | EC002061 |
| ETIM 5.0 | EC000830 |
| ETIM 6.0 | EC000830 |
| ETIM 7.0 | EC003249 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121616 |
| UNSPSC 7.0901 | 26121616 |
| UNSPSC 11     | 26121604 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 26121604 |
| UNSPSC 18.0   | 26121604 |
| UNSPSC 19.0   | 26121604 |
| UNSPSC 20.0   | 26121604 |
| UNSPSC 21.0   | 26121604 |

## Approvals

### Approvals

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Approvals

EAC-RoHS

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Ex Approvals

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### Approval details

|          |   |                          |
|----------|---|--------------------------|
| EAC-RoHS |  | RU D-<br>DE.HB35.B.00385 |
|----------|---|--------------------------|

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