

Bus system cable - VS-OE-OE-93G-100,0 - 1419152

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Assembled EtherCAT® cable, shielded, star quad, AWG 22 stranded (7-wire), RAL 6018 (traffic red), 4-pos., by the meter, length: 100 m



Key commercial data

| | |
|----------------------|---|
| Packing unit | 1 PCE |
| Catalog page | Page 314 (PC-2011) |
| GTIN |  4 046356 540766 |
| Custom tariff number | 85444290 |
| Country of origin | GERMANY |

Technical data

Mechanical characteristics

| | |
|---|---|
| Number of positions | 4 |
| Shielded | Yes |
| Cable diameter | 6.50 mm |
| Cable structure | 1x4xAWG22/7; SF/TQ |
| Smallest bending radius, fixed installation | min. 19.5 mm (cable, fixed installation) |
| Smallest bending radius, movable installation | min. 45.5 mm (cable, flexible installation) |
| Length of cable | 100 m |
| Ambient temperature (operation) | -40 °C ... 70 °C (cable, fixed installation) |
| Ambient temperature (operation) | -40 °C ... 70 °C (cable, flexible installation) |

Material data

| | |
|------------------------|-----------------------|
| Outer sheath, material | PVC |
| External sheath, color | green-yellow RAL 6018 |

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Technical data

Line characteristics

| | |
|---|--|
| Cable type | PROFINET |
| UL AWM style | 21694 |
| Cable structure | 1x4xAWG22/7; SF/TQ |
| Conductor cross section | 4x 0.34 mm ² |
| AWG signal line | 22 |
| Conductor structure signal line | 7x 0.25 mm |
| Core diameter including insulation | approx. 1.5 mm |
| External cable diameter | 6.5 mm ± 0.2 mm |
| Wire colors | White, yellow, blue, orange |
| External sheath, color | Green RAL 6018 |
| Transmission medium | Copper |
| Insulation resistance | ≥ 500 MΩ*km |
| Conductor resistance | ≤ 120 Ω/km |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001) |
| Working capacitance | 52 pF |
| Wave impedance | 100 Ω ± 15 Ω (At 100 MHz) |
| Signal runtime | 5.3 ns/m |
| Coupling resistance | ≤ 20.00 mΩ/m |
| Nominal voltage, conductor | 600 V |
| Test voltage Core/Core | 2000 V (50 Hz, 1 min.) |
| Test voltage Core/Shield | 2000 V (50 Hz, 1 min.) |
| Overall twist | Star quad |
| Shielding | Aluminum-coated foil, tinned copper braided shield |
| Optical shield covering | 85 % |
| Outer sheath, material | PVC |
| Material, inner sheath | PVC |
| Material conductor insulation | PE |
| Conductor material | Tin-plated Cu litz wires |
| Cable weight | 67 kg/km |
| Minimum bending radius, fixed installation | 3 x D |
| Minimum bending radius, flexible installation | 7 x D |
| Flame resistance | According to UL 1685 (CSA FT 4) |
| Resistance to oil | Resistant to oil to a limited extent |
| Other resistance | UV resistant According to UL 1581, Section 1200 |
| Ambient temperature (operation) | -40 °C ... 70 °C (cable, fixed installation) |
| Ambient temperature (operation) | -40 °C ... 70 °C (cable, flexible installation) |

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Classifications

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000830 |
| ETIM 3.0 | EC000830 |
| ETIM 4.0 | EC002599 |
| ETIM 5.0 | EC000830 |

UNSPSC

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

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27060307 |
| eCl@ss 4.1 | 27060307 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27060307 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

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