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Network cable - VS-OE-OE-93K-100,0

1419173

https://www.phoenixcontact.com/gb/products/1419173

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Network cable, Sercos CAT5 (100 Mbps), 4-position, shielded, free cable end, on free cable end, cable length: 100 m

Commercial Data

Item number	1419173
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	BF1LFA
Product Key	BF1LFA
Catalog Page	Page 316 (PC-2011)
GTIN	4046356541183
Weight per Piece (including packing)	6,575 g
Weight per Piece (excluding packing)	222.22 g
Customs tariff number	85444995
Country of origin	DE

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Technical Data

Product properties

Product type	Data cable by the meter
Number of positions	4
Shielded	yes

Interfaces

Signal type/category	Sercos CAT5 (IEC 11801:2002), 100 Mbps

Connector

Connection 1

Type	free cable end

Connection 2

Type	free cable end

Cable / line

Cable length	100 m
Cable weight	68 kg/km
UL AWM Style	21694 (60°C / 600 V)
Number of positions	4
Shielded	yes
Cable type	Sercos III [93K]
Signal runtime	5.3 ns/m
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Conductor cross section	4x 0.34 mm²
Wire diameter incl. insulation	approx. 1.55 mm
External cable diameter	6.5 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	signal red RAL 3020
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	White, yellow, blue, orange
Thickness, outer sheath	approx. 0.9 mm
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Star quad
Max. conductor resistance	≤ 120 Ω/km
Insulation resistance	≥ 0.5 GΩ*km
Coupling resistance	≤ 20.00 mΩ/m (at 10 Hz)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Nominal voltage, cable	600 V

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Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000 V (50 Hz, 1 min.)
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)
	-40 °C ... 70 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 60 °C
Signal type/category	Sercos CAT5 (IEC 11801:2002), 100 Mbps

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Approvals

EAC
Approval ID: RU D-DE.HB35.B.00385

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Classifications

ECLASS

ECLASS-9.0	27061801
ECLASS-10.0.1	27060390
ECLASS-11.0	27061801

ETIM

ETIM 8.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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Environmental Product Compliance

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

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