

Bus system cable - VS-PNRJ45R-OE-93K/5,0 - 1408222

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Sercos III patch cable, shielded, star quad, 22 AWG stranded (7-wire), RAL 3020 (traffic red), RJ45 plug/IP20, angled, to open cable end, angled, length: 5 m

Sercos III patch cable



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 046356 797245
GTIN	4046356797245

Technical data

Mechanical characteristics

Number of positions	4
Degree of protection	IP20

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C (cable, flexible installation)
Degree of protection	IP20

Material data

Flammability rating according to UL 94	V0
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Electrical characteristics

Number of positions	4
Degree of pollution	1
Rated voltage (III/3)	72 V (DC)

Standards and Regulations

Flammability rating according to UL 94	V0
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Line characteristics

Bus system cable - VS-PNRJ45R-OE-93K/5,0 - 1408222

Technical data

Line characteristics

Cable type	Sercos III
UL AWM style	21694 (60°C / 600 V)
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. 1.55 mm
External cable diameter	6.5 mm ±0.2 mm
Wire colors	White, yellow, blue, orange
External sheath, color	signal red RAL 3020
Transmission medium	Copper
Insulation resistance	≥ 0.5 GΩ*km
Conductor resistance	≤ 120 Ω/km
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	≤ 20.00 mΩ/m (at 10 Hz)
Nominal voltage, cable	600 V
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000 V (50 Hz, 1 min.)
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Star quad
Shielding	Tinned copper braided shield
Outer sheath, material	PVC
Material, inner sheath	PVC
Material conductor insulation	PE
Conductor material	Tin-plated Cu litz wires
Cable weight	68 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)
	-40 °C ... 70 °C (cable, flexible installation)

Environmental Product Compliance

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

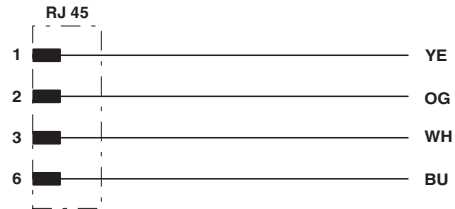
Drawings

Bus system cable - VS-PNRJ45R-OE-93K/5,0 - 1408222

Cable cross section

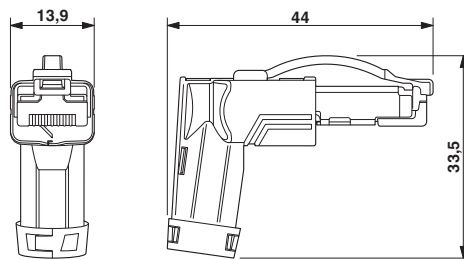


Circuit diagram



Sercos III [93K]

Dimensional drawing



RJ45 connector, IP20, angled

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC



B.00767

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