

# Bus system cable - VS-PNRJ45-PNRJ45-93K-1,0 - 1402512

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SERCOS III patch cable, shielded, star quad, AWG 22 stranded (7-wire), RAL 3020 (traffic red), RJ45 connector/IP 20, straight, to RJ45 connector/IP20, straight, length: 1.0 m

SERCOS III patch cable



## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 321 (PC-2011)
GTIN	 4 046356 622523
Custom tariff number	85444210
Country of origin	POLAND

## Technical data

### Mechanical characteristics

Number of positions	4
Length of cable	1 m
Ambient temperature (operation)	-20 °C ... 70 °C (cable, flexible installation)

### Material data

Inflammability class according to UL 94	V0
Degree of protection	IP20

### Line characteristics

Cable structure	1x4xAWG22/7; SF/Q
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	Approx. 1.5 mm
Thickness, insulation	Approx. 0.9 mm (Outer cable sheath)
External cable diameter	6.50 mm
Wire colors	White, yellow, blue, orange

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## Technical data

### Line characteristics

External sheath, color	signal red RAL 3020
Insulation resistance	min. 0.5 GΩ*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 1- 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	max. 20.00 mΩ/m
Test voltage Core/Core	2000 V
Test voltage Core/Shield	2000 V
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	67 kg/km
Smallest bending radius, fixed installation	min. 19.5 mm
Smallest bending radius, movable installation	min. 45.5 mm

## Classifications

### eclass

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27060307
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801

### etim

ETIM 4.0	EC002599
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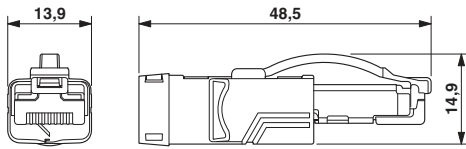
### unspsc

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

## Drawings

## Bus system cable - VS-PNRJ45-PNRJ45-93K-1,0 - 1402512

Dimensioned drawing



RJ45 plug connector, IP20

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Circuit diagram

