

# Bus system cable - VS-PNRJ45-PNRJ45R-93G-1,0 - 1402505

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EtherCAT patch cable, shielded, star quad, AWG 22 stranded (7-wire), green, RJ45 connector/IP 20, straight, to RJ45 connector/IP20, angled, length: 1.0 m

EtherCAT patch cable



## Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 320 (PC-2011)
GTIN	 4 046356 622233
Custom tariff number	85444210
Country of origin	POLAND

## Technical data

### Mechanical characteristics

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

### Material data

Degree of protection	IP20
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### Line characteristics

Type of cable	Round cable
Cable type	PROFINET
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)

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## Technical data

### Line characteristics

External cable diameter	6.5 mm ± 0.2 mm
Wire colors	White, yellow, blue, orange
External sheath, color	Green RAL 6018
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 (cable, fixed installation)
Smallest bending radius, movable installation	min. 45.5 mm (cable, flexible installation)
Flame resistance	IEC 60332-1
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
Ambient temperature (operation)	-20 °C ... 60 °C (cable, flexible installation)

## 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

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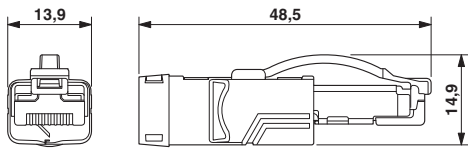
## Classifications

unspsc

UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

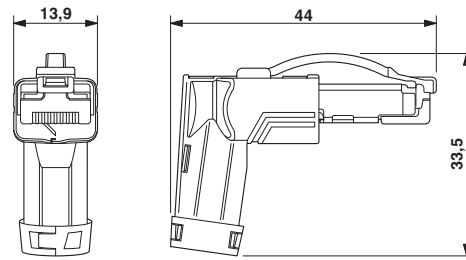
## Drawings

Dimensioned drawing



RJ45 plug connector, IP20

Dimensioned drawing



RJ45 plug-in connector, IP20, angled

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Circuit diagram

