



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Bus system cable - VS-PNRJ45R-PNRJ45R-93G-2,0 - 1402509

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EtherCAT patch cable, shielded, star quad, AWG 22 stranded (7-wire), green, RJ45 connector/IP 20, angled, to RJ45 connector/IP20, angled, length: 2.0 m

EtherCAT patch cable



Key commercial data

Packing unit	0
Minimum order quantity	1
Catalog page	Page 320 (PC-2011)
GTIN	 4 046356 622288
Custom tariff number	85444210
Country of origin	POLAND

Technical data

Mechanical characteristics

Number of positions	4
Type of cable	Round cable
Length of cable	2 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 ²
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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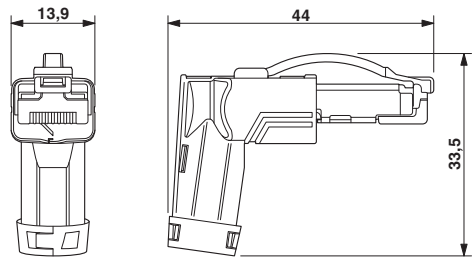
Classifications

unspsc

UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

Drawings

Dimensioned drawing



RJ45 plug-in connector, IP20, angled

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Circuit diagram

