Chipsmall

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!

Contact us

VS-M12MS-8CON-RJ45-940/5,0

Order No.: 1658781

Assembled Ethernet cable, CAT 5e, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), M12 8-pos. A-coded on RJ45 plug, length: 5 m

Ethernet

Product notes

WEEE/RoHS-compliant since: 01/31/2007

Commercial data

GTIN (EAN)	4 046356 163088
sales group	D512
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 183 (PC-2007)

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Technical data

Mechanical characteristics

Number of positions	8
Shielded	Yes
Insertion/withdrawal cycles	≥ 100
Cable diameter	6.70 mm

Cable structure	4x2xAWG26/7; S-FTP
Smallest bending radius, fixed installation	min. 33.5 mm
Smallest bending radius, movable installation	min. 33.5 mm
Length of cable	5 m
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (cable, flexible installation)
	(Male connector / female connector)

Material data

Housing material	TPU/PA
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Degree of protection	IP67/IP20

Electrical characteristics

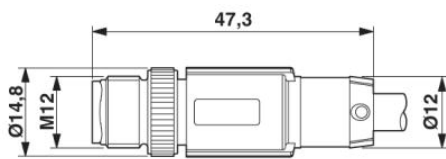| Rated voltage (III/3)	30 V
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)

Line characteristics

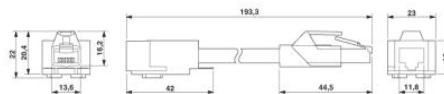| Cable type	Ethernet
Cable structure	4x2xAWG26/7; S-FTP
Conductor cross section	0.14 mm²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	1 mm
External cable diameter	6.40 mm
	6.4 mm
Wire colors	White-blue, white-orange, white-green, white-brown
External sheath, color	water blue RAL 5021
Insulation resistance	$\geq$ 5 GΩ*km
Conductor resistance	$\leq$ 150 mΩ/m
Transmission characteristics (category)	$CAT6_A$
Working capacitance	42 pF
Wave impedance	100 Ω ±5% (At 100 MHz)
Signal speed	0.72 c
Signal runtime	46 ns/m
Shield attenuation	60 dB (Up to 1000 MHz)

Interference suppression	90 dB (Up to 1000 MHz)
Nominal voltage, conductor	125 V
Test voltage, conductor	1000 V
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 cores with 2 fillers to the core
Shielding	Tinned copper braided shield
Optical shield covering	65 %
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Cable weight	44 kg/km
Smallest bending radius, fixed installation	min. 32 mm
Smallest bending radius, movable installation	min. 32 mm

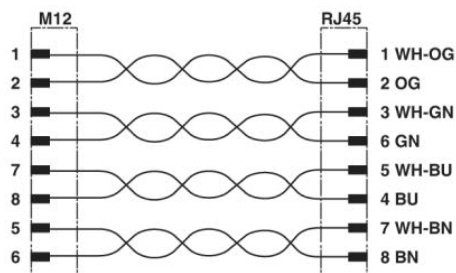**Diagrams/Drawings**

Dimensioned drawing

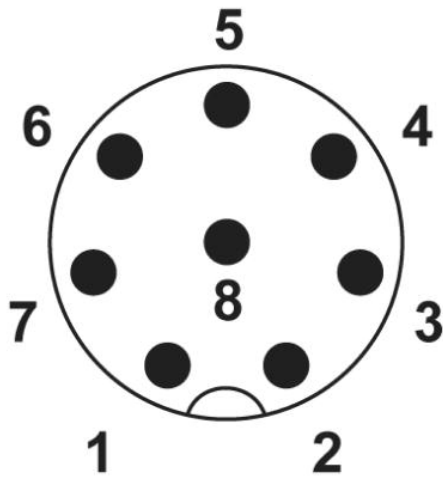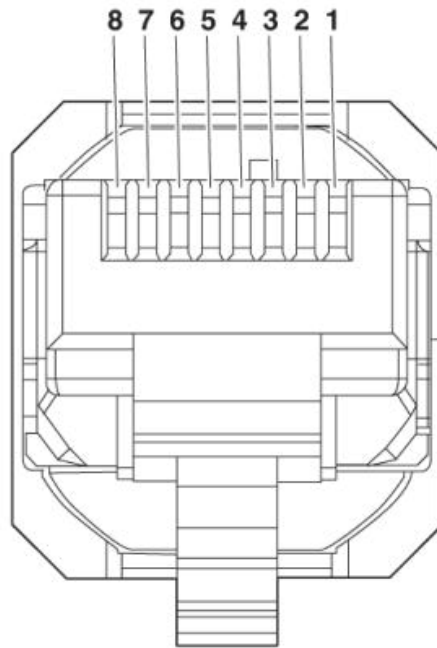M12 x 1 male connector, straight, shielded

RJ45 plug connector, IP20

Circuit diagram

Schematic diagram

Pin assignment M12 plug, 8-pos., view plug side

Connector pin assignment plug RJ45

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