

## Patch cable - VS-RJ45-RJ45R-94P-0,5 - 1418031

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Patch cable, CAT5e, 4-pair, shielded, line, assembled at both ends with straight and angled RJ45/IP20 heads, length: 0.5 m



### Ethernet

#### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	42.0 g
Custom tariff number	85444210
Country of origin	China

#### Technical data

##### Dimensions

Length of cable	0.5 m
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##### Ambient conditions

Degree of protection	IP20
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##### General data

Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps

##### Characteristics head 1

Head type	Plug straight RJ45 / IP20
No. of positions (pin connector pattern)	8 (8)
Color	black
Material (component)	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	TPU (Grip)

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## Technical data

### Characteristics head 1

Shielded	Yes
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### Characteristics head 2

Head type	Plug angled RJ45 / IP20
No. of positions (pin connector pattern)	8 (8)
Color	black
Material (component)	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	TPU (Grip)
Shielded	Yes

### Cable

Cable type	Ethernet, flexible, CAT5
Cable type (abbreviation)	94B
UL AWM style	20963 (80°C/30 V)
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	0.96 mm
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Aluminum-coated foil, tinned copper braided shield
Optical shield covering	70 %
External sheath, color	water blue RAL 5021
Outer sheath thickness	1.05 mm
External cable diameter D	6.4 mm ±0.2 mm
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Tensile strength short-term/long-term	≤ 100 N
Cable weight	47 kg/km
Outer sheath, material	PUR
Material conductor insulation	Foamed PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 500 MΩ*km

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### Technical data

#### Cable

Conductor resistance	≤ 290 Ω/km
Cable capacity	48 nF/km (at 1 kHz)
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal runtime	5.3 ns/m
Coupling resistance	≤ 100.00 mΩ/m (At 10 MHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Flame resistance	According to IEC 60332-1-2
Halogen-free	According to IEC 60754-1
Resistance to oil	according to EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 80 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C

### Classifications

#### eCl@ss

eCl@ss 4.0	27250591
eCl@ss 4.1	27240409
eCl@ss 5.0	27259207
eCl@ss 5.1	27061801
eCl@ss 6.0	19170107
eCl@ss 7.0	19170112
eCl@ss 8.0	27060308

#### ETIM

ETIM 2.0	EC001262
ETIM 3.0	EC001262
ETIM 4.0	EC000830
ETIM 5.0	EC002599

#### UNSPSC

UNSPSC 6.01	26121609
UNSPSC 7.0901	26121609
UNSPSC 11	26121609
UNSPSC 12.01	26121609

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## Classifications

UNSPSC

UNSPSC 13.2	26121609
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## Approvals

Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

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## Approval details

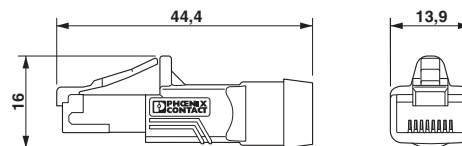
EAC
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## Drawings

Cable cross section



Dimensional drawing

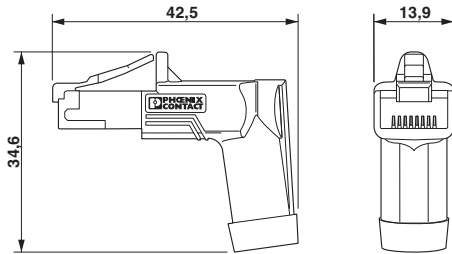


RJ45 connector, IP20

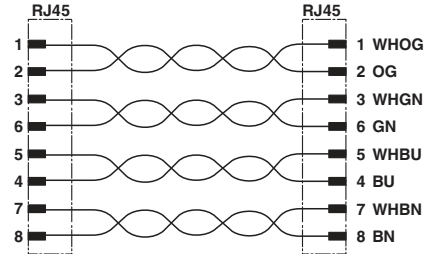
Ethernet, flexible, CAT5 [94B]

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Dimensional drawing



Circuit diagram



RJ45 connector, IP20, angled