

Network cable - VS-94A/... - 1416415

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Network cable, Ethernet CAT5 (100 Mbps), 8-position, PUR, water blue RAL 5021, free cable end, on free cable end, cable length: Free input (0.5 ... 100 m)



Ethernet

Key Commercial Data

Packing unit	1 pc
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Configuration

Length [m]	10
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Technical data

Dimensions

Length of cable	Free input (0.5 ... 100 m)
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Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C (cable, fixed installation)
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General data

Rated voltage	30 V AC
	30 V DC
Number of positions	8
Signal type/category	Ethernet CAT5 (IEC 11801:2002), 100 Mbps
Transmission characteristics (category)	CAT5

Cable

Cable type	Ethernet
Cable type (abbreviation)	94A
UL AWM style	20549 (80°C/300 V)
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG24/1; SF/UTP
Conductor cross section	4x 2x 0.25 mm²
AWG signal line	24

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Technical data

Cable

Conductor structure signal line	1x 0.50 mm
Core diameter including insulation	1.1 mm $\pm$ 0.05 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-lined polyester foil, tinned copper braided shield
Optical shield covering	85 %
External sheath, color	water blue RAL 5021
Outer sheath thickness	0.4 mm
External cable diameter D	6.4 mm $\pm$ 0.2 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm (for installation)
Tensile strength GRP	80 N
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu wire
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	$< 93.8 \text{ }\Omega/\text{km}$
Cable capacity	$< 56 \text{ nF/km}$
	$< 1600 \text{ pF/km (Pair-Ground)}$
Signal speed	0.6 c
Signal runtime	5.7 ns/m
Nominal voltage, cable	72 V DC
	300 V AC (in acc. with UL)
Test voltage Core/Core	2500 V DC
Flame resistance	According to FT-2
Halogen-free	According to IEC 60754-2
Resistance to oil	according to IEC 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (installation)	0 °C ... 50 °C

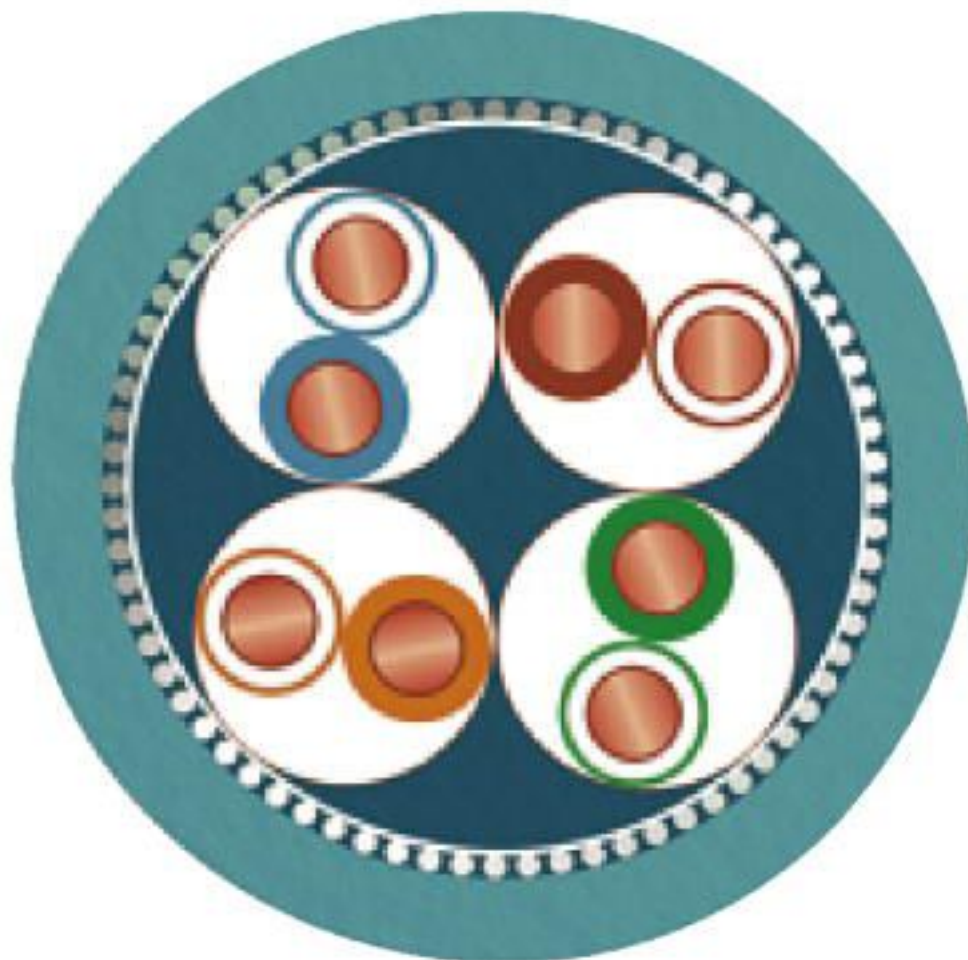
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

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Cable cross section



Ethernet [94A]

Classifications

eCl@ss

eCl@ss 10.0.1	27060390
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27061801
eCl@ss 9.0	27061801

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Classifications

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC000830
ETIM 5.0	EC000830
ETIM 6.0	EC000830
ETIM 7.0	EC003249

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121604

Approvals

Approvals

Approvals

EAC-RoHS

Ex Approvals

Approval details

EAC-RoHS		RU D- DE.HB35.B.00385
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Accessories

Accessories

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Accessories

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407



Stripping tool, for the multi-level stripping of shielded cables

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