

Network cable - VS-94E/... - 1416460

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Network cable, Ethernet CAT7 (10 Gbps), 8-position, FRNC halogen-free, water blue RAL 5021, shielded, free cable end, on free cable end, cable length: Free input (0.5 ... 100 m)



Ethernet



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	60.000 g
Custom tariff number	85444995
Country of origin	Hungary

Technical data

Dimensions

Length of cable	Free input (0.5 ... 100 m)
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General data

Rated voltage	30 V AC
	30 V DC
Number of positions	8
Signal type/category	Ethernet CAT7, 10 Gbps
Transmission characteristics (category)	CAT7
Transmission speed	10 Gbps

Cable

Cable type	Ethernet
Cable type (abbreviation)	94E
UL AWM style	10797 (80°C/30 V)
Signal type/category	Ethernet CAT7, 10 Gbps

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Technical data

Cable

Cable structure	4x2xAWG23/1; S/FTP
Conductor cross section	4x 2x 0.3 mm ²
AWG signal line	23
Conductor structure signal line	1x
Core diameter including insulation	1.45 mm ±0.05 mm
Wire colors	White-blue, white-orange, white-green, white-brown
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	4 pairs, twisted
Shielding	Aluminum-lined polyester foil, tinned copper braided shield
Optical shield covering	65 %
External sheath, color	water blue RAL 5021
External cable diameter D	8 mm ±0.3 mm
Smallest bending radius, fixed installation	30 mm
Smallest bending radius, movable installation	60 mm
Tensile strength GRP	80 N
Cable weight	55 kg/km
Copper weight	32.8 kg/km
Outer sheath, material	FRNC
Material conductor insulation	Foamed PE
Conductor material	Bare Cu wire
Insulation resistance	> 5 GΩ*km
Conductor resistance	< 75 Ω/km
Cable capacity	< 56 nF/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Signal speed	0.6 c
Signal runtime	5.7 ns/m
Cable impedance	< 5 mΩ (with 1 MHz)
	< 5 mΩ (at 10 MHz)
	< 30 mΩ (at 30 MHz)
	< 100 mΩ (at 100 MHz)
Nominal voltage, cable	30 V AC
Test voltage Core/Core	2500 V DC
Flame resistance	according to IEC 60332-3-24 (Cat. C)
Halogen-free	According to IEC 60754-2
Resistance to oil	according to IEC 60811-2-1
Concentration of fumes	in accordance with IEC 61034

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Technical data

Cable

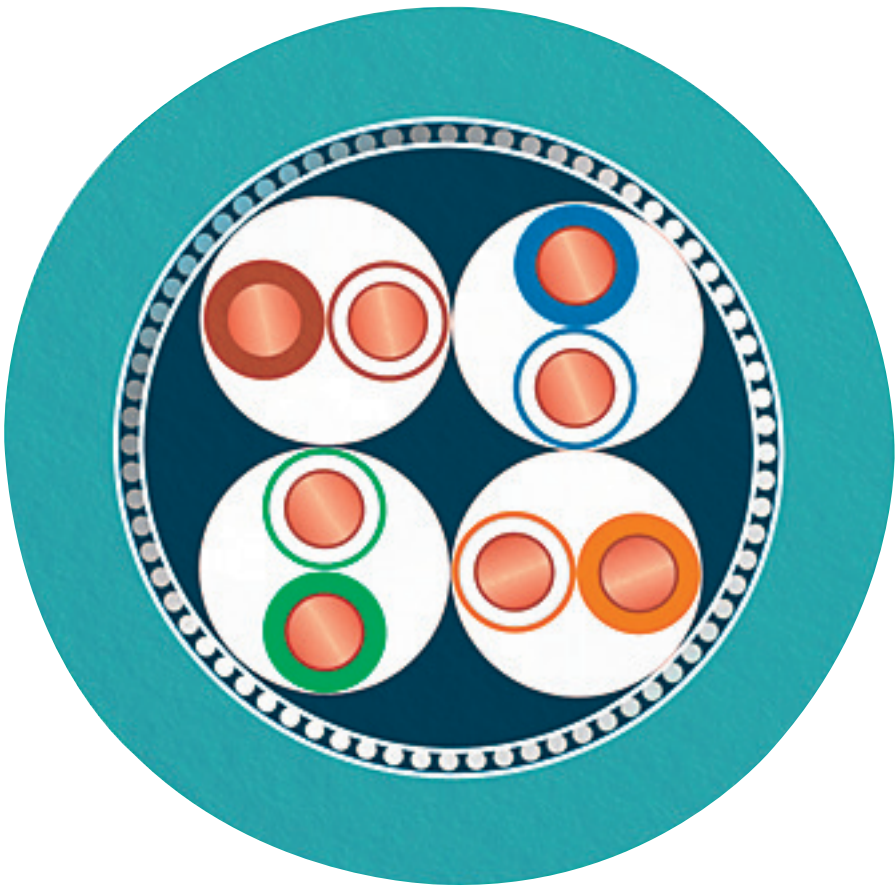
Ambient temperature (operation)	-20 °C ... 80 °C (Cable)
Ambient temperature (installation)	0 °C ... 50 °C
Shielded	yes

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Cable cross section



Ethernet [94E]

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Classifications

eCl@ss

eCl@ss 10.0.1	27060390
eCl@ss 11.0	27061801
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 9.0	27061801

ETIM

ETIM 3.0	EC000830
ETIM 4.0	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

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Approvals

Approval details

EAC-RoHS



RU D-
DE.HB35.B.00385

Accessories

Accessories

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



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