



Automatización Eléctrica
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Network cable - VS-OE-OE-94E-100,0 - 1416350

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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: 100 m

Ethernet

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 474405

Technical data

Dimensions

Length of cable	100 m
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General data

Number of positions	8
Signal type/category	Ethernet CAT7, 10 Gbps

Cable

Cable type	Ethernet
Cable type (abbreviation)	94E
UL AWM style	10797 (80°C/30 V)
Cable structure	4x2xAWG23/1; S/FTP
Conductor cross section	4x 2x 0.32 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

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Technical data

Cable

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 short-term/long-term	80 N
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 60332-3C
Halogen-free	According to IEC 60754-2
Resistance to oil	According to IEC 60811-2-1
Concentration of fumes	in accordance with IEC 61034
Ambient temperature (operation)	-20 °C ... 80 °C (Cable)
Ambient temperature (installation)	0 °C ... 50 °C

Classifications

eCl@ss

eCl@ss 4.0	27060307
eCl@ss 4.1	27060307
eCl@ss 5.0	27060307
eCl@ss 5.1	27060307
eCl@ss 6.0	27060307
eCl@ss 7.0	27060307
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC000830
ETIM 4.0	EC000830
ETIM 5.0	EC000830

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Classifications

UNSPSC

UNSPSC 6.01	26121616
UNSPSC 7.0901	26121616
UNSPSC 11	26121604
UNSPSC 12.01	31261501
UNSPSC 13.2	26121616

Approvals

Approvals

Approvals

EAC

Ex Approvals

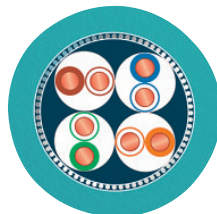
Approvals submitted

Approval details

EAC

Drawings

Cable cross section



Ethernet [94E]

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Product	Code	Reference	Product link
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