

VS-CAT6-4X2X23 AWG/1/100 - Installation cable



1658888

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CAT6-S/FTP cable, 4 x 2 x 23 AWG, solid (1-wire), shielded, outer sheath: Halogen-free PUR, outside diameter 8.0 mm, RAL 5021 (water blue), cable ring 100 m

Commercial data

Item number	1658888
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356166157
Weight per piece (including packing)	17,136 g
Weight per piece (excluding packing)	17,136 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Data cable by the meter
Number of positions	8
Shielded	yes

Electrical properties

Transmission characteristics (category)	CAT6
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Cable/line

Cable length	100 m
Cable weight	72 kg/km
Number of positions	8
Shielded	yes
Conductor structure	4x2xAWG23/1, S/FTP
Conductor type	Round cable
AWG signal line	23
Wire diameter incl. insulation	1.4 mm
External cable diameter	8.4 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu wire
Material wire insulation	Cell PE
Single wire, color	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 for core
Optical shield covering	65 %
Max. conductor resistance	$\leq 75 \Omega/\text{km}$
Insulation resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Coupling resistance	5.00 m Ω /m (at 10 MHz)
Wave impedance	100 $\Omega \pm 5 \%$ (at 100 MHz)
Working capacitance	42 nF
Nominal voltage, cable	125 V
Test voltage	1000 V
Smallest bending radius, fixed installation	35 mm
Smallest bending radius, movable installation	70 mm
Shield attenuation	70.00 dB (up to 1000 MHz)
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation) 0 °C ... 50 °C (Cable, flexible installation)

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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation) (Cable, fixed installation)	-20 °C ... 60 °C (cable, fixed installation)
Ambient temperature (operation) (Cable, flexible installation)	0 °C ... 50 °C (Cable, flexible installation)

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Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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