


**VS-CAT5-4X2X26 AWG/19-S/100**

Order No.: 1658875

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CAT5e-S/UTP cable, 4 x 2 x 26 AWG, highly stranded (19-wire), shielded, outer sheath: Halogen-free PUR, outside diameter 7.7 mm, RAL 5021 (water blue), irradiated for welding applications, suitable for use with drag chain, cable ring: 100 m

Commercial data	
GTIN (EAN)	 4 046356 166164
Note	Made-to-order
sales group	D515
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 177 (PC-2007)

## Product notes

WEEE/RoHS-compliant since:  
10/25/2006



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Technical data	
<b>Mechanical characteristics</b>	
Number of positions	8
Shielded	Yes
Cable diameter	7.70 mm

Cable structure	4x2xAWG26/19; S-UTP
Duty cycle testing	Flexible cable conduit capable
Smallest bending radius, fixed installation	40 mm (cable, fixed installation)
Smallest bending radius, movable installation	40 mm (cable, flexible installation)
Length of cable	100 m
Ambient temperature (operation)	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

#### Material data

Outer sheath, material	PUR
External sheath, color	water blue RAL 5021

#### Electrical characteristics

Rated voltage (III/3)	125 V
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)

#### Line characteristics

Cable type	Ethernet
Cable structure	4x2xAWG26/19; S-UTP
Conductor cross section	0.16 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	19X 0.10 mm
Core diameter including insulation	1 mm
External cable diameter	7.70 mm
Wire colors	White-blue, white-orange, white-green, white-brown
External sheath, color	water blue RAL 5021
Insulation resistance	min. 0.5 GΩ*km
Conductor resistance	max 125 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	57 nF
Wave impedance	100 Ω ± 5 Ω (At 100 MHz)
Nominal voltage, conductor	125 V
Test voltage Core/Core	1000 V
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield
Outer sheath, material	PUR

Conductor material	Bare Cu litz wires
Cable weight	70 kg/km
Smallest bending radius, fixed installation	39 mm (cable, fixed installation)
Smallest bending radius, movable installation	39 mm (cable, flexible installation)
Max. bending cycles	5000000
Bending radius	57.8 mm
Traversing path	1.8 m
Traversing rate	3 m/s
Acceleration	9 m/s <sup>2</sup>
Flame resistance	IEC 60332-2-2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Hydrolysis resistance as per DIN 53504
	resistant to welding splash in accordance with DIN VDE 0282

#### Accessories

Item	Designation	Description
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#### Tools

1657407	VS-CABLE-STRIP-VARIO	Stripping tool, for the multi-level stripping of shielded cables
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