VS-CAT7-2X2X26/7-2X20/7 - Data cable

1653058

https://www.phoenixcontact.com/us/products/1653058

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



CAT7-S/FTP cable, 2 x 2 x 26 AWG, stranded (7-wire), 2 x 20 AWG (19-wire) shielded, outer sheath: Halogen-free PUR, outside diameter 6.7 mm, for USB 2.0 and FireWire, by the meter

Commercial data

Item number	1653058
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF17
Product key	AF1LEA
Customs tariff number	85444995
Country of origin	DE

Technical data

Product properties

Product type	Data cable by the meter
Number of positions	6
Shielded	yes

Electrical properties

Nominal voltage U_N	24 V AC
	24 V DC
Transmission characteristics (category)	CAT7, for USB 2.0 (480 Mbps) and FireWire (400 Mbps)

Interfaces

Signal type/category	USB 2.0 CAT7
	FireWire CAT7

Cable/line

Cable length	variable

FireWire [980]

Number of positions	6
Shielded	yes
Cable type	FireWire [980]
Conductor structure	2x2xAWG26/7 + 2xAWG20/19, S/FTP
Conductor structure signal line	7x 0.15 mm
AWG signal line	26
Conductor structure, voltage supply	19x 0.20 mm
AWG power supply	20
Conductor cross-section	2x 2x 0.14 mm² (Signal line)
	2x 0.5 mm² (Power supply)
Wire diameter incl. insulation	≤ 1.05 mm (Signal line)
	nom. 1.4 mm (Power supply)
External cable diameter	6.70 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Cell PE (Signal line)
	PVC (Power supply)
Single wire, color	white-blue, white-orange, white, black
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs and two power supply wires to the core
Insulation resistance	5 GΩ*km
Wave impedance	100 Ω ±5 % (at 100 MHz)

Working capacitance	48 pF (per meter)
Nominal voltage, cable	≤ 125 V
Test voltage	1000 V
Minimum bending radius, fixed installation	5 x D
Minimum bending radius, flexible installation	5 x D
Smallest bending radius, fixed installation	34 mm
Smallest bending radius, movable installation	34 mm
Tensile strength	≤ 30 N
Flame resistance	according to IEC 60332-1-2
Resistance to oil	according to DIN EN 60811-404, 7x 24 h at 90°C
Other resistance	Microbe resistance as per DIN VDE 0282
Special properties	Free of substances which would hinder coating with paint or varnish

Environmental and real-life conditions

Ambient conditions

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

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

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

EF3.1 Climate Change

CO2e kg	15.422 kg CO2e

Phoenix Contact 2026 © - all rights reserved
https://www.phoenixcontact.com

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com