VS-ASI-FC-PVC-UL-BK 100M - Flat cable

1404919

https://www.phoenixcontact.com/us/products/1404919

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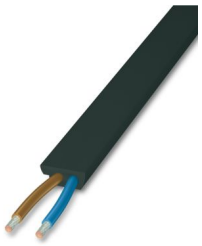

AS-Interface PVC flat conductor with UL in black, for additional power supply, 2 x 1.5 mm^2, 100 m ring

Commercial data

Item number	1404919
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356327640
Weight per piece (including packing)	6,683 g
Weight per piece (excluding packing)	6,683 g
Customs tariff number	85444995
Country of origin	DE

Technical data

Product properties

Product type	Data cable by the meter
Sensor type	AS-Interface
Number of positions	2

Interfaces

Signal type/category	AS-Interface

Cable/line

Cable length	100 m
Cable weight	73 kg/km
Number of positions	2
Shielded	no
Conductor structure	2 x 1.5 mm²
Conductor type	Flat cable
Conductor structure, voltage supply	84x 0.15 mm
AWG power supply	16
Conductor cross section	1.5 mm²
Wire diameter incl. insulation	2.5 mm
Outer sheath, material	PVC
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	TPE
Single wire, color	brown, blue
Thickness, insulation	approx. 0.50 mm
Max. conductor resistance	≤ 13.7 Ω/km
Insulation resistance	≥ 1 MΩ*km
Nominal voltage, cable	48 V
Test voltage	2000 V
Smallest bending radius, fixed installation	≥ 6 mm (one-time)
Dynamic load capacity (bending)	Max. bending cycles: 8000000, Bending radius: 75 mm, Traversing direction: horizontal, above the broadside, Traversing rate: 4 m/s, Acceleration: 4 m/s²
	Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing direction: vertical, above the broadside
Halogen-free	no
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	UL 1581, Sec. 1060 (FT-1)
	UL 1685 (CSA FT 4)
	IEC 60332-1-2
Resistance to oil	UL 1581, Sec. 480 (60 °C)
Other resistance	UV resistant

Special properties	UL type CL2 accord. to UL 13 and NEC Article 725
	UL type CMG accord. to UL 444 and NEC Article 800
Ambient temperature (operation)	-30 °C ... 90 °C (cable, fixed installation)
	-20 °C ... 90 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation) (Cable, flexible installation)	-20 °C ... 90 °C (Flexibly installed)
Ambient temperature (operation) (Cable, fixed installation)	-30 °C ... 90 °C (fixed routing)
Ambient temperature (storage/transport)	-30 °C ... 90 °C

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 9.0	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%

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