

# VS-ASI-FC-TPE-UL-BK 100M - Flat cable

1404935

<https://www.phoenixcontact.com/us/products/1404935>



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AS-Interface TPE flat conductor with UL in black, for additional power supply, 2 x 1.5 mm<sup>2</sup>, 100 m ring

## Commercial data

Item number	1404935
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356339247
Weight per piece (including packing)	6,453 g
Weight per piece (excluding packing)	6,453 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
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### Cable/line

Cable length	100 m
Cable weight	64 kg/km
Number of positions	2
Shielded	no
Conductor structure	2 x 1.5 mm <sup>2</sup>
Conductor type	Flat cable
Conductor structure, voltage supply	84x 0.15 mm
AWG power supply	16
Conductor cross section	1.5 mm <sup>2</sup>
Wire diameter incl. insulation	2.5 mm
Outer sheath, material	TPE
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/s <sup>2</sup>
	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)
	IEC 60332-1-2
Resistance to oil	UL 1581, Sec. 480 (60 °C)
Other resistance	UV resistant
Special properties	UL-Style 2103
	CSA-File LL55255-42

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Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation) -30 °C ... 105 °C (Cable, flexible installation)
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-30 °C ... 105 °C (Flexibly installed) -40 °C ... 105 °C (fixed routing)
Ambient temperature (storage/transport)	-40 °C ... 105 °C

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## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

ETIM 9.0	EC003249
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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### EF3.0 Climate Change

CO2e kg	88.885 kg CO2e
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