

## Flat-ribbon conductor - VS-ASI-FC-TPE-UL-BK 100M - 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



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 339247
GTIN	4046356339247

### Technical data

#### Mechanical characteristics

Number of positions	2
Shielded	no
Type of cable	Flat-ribbon conductor
Cable structure	2x 1.5 mm <sup>2</sup>
Duty cycle testing	suitable for drag chain
Length of cable	100 m

#### Ambient conditions

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

#### Material data

Outer sheath, material	TPE
External sheath, color	black RAL 9005
Height	4 mm

#### Electrical characteristics

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## Technical data

### Electrical characteristics

Rated voltage (III/3)	300 V
Rated surge voltage	2 kV

### Standards and Regulations

Duty cycle testing	suitable for drag chain
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### Line characteristics

Type of cable	Flat-ribbon conductor
Cable structure	2x 1.5 mm <sup>2</sup>
Conductor cross section	1.5 mm <sup>2</sup>
AWG power supply	16
Conductor structure, voltage supply	84x 0.15 mm
Core diameter including insulation	2.5 mm
Thickness, insulation	approx. 0.5 mm
Wire colors	brown, blue
External sheath, color	black RAL 9005
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	≤ 13.7 Ω/km
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Outer sheath, material	TPE
Material conductor insulation	TPE
Conductor material	Bare Cu litz wires
Cable weight	64 kg/km
Smallest bending radius, fixed installation	≥ 6 mm (one-time)
Traversing direction	horizontal, above the broadside
Max. bending cycles	8000000
Bending radius	75 mm
Traversing rate	4 m/s
Acceleration	4 m/s <sup>2</sup>
Traversing direction	vertical, above the broadside
Max. bending cycles	10000000
Bending radius	50 mm
Special properties	UL-Style 2103
	CSA-File LL55255-42
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Halogen-free	no
Resistance to oil	UL 1581, Sec. 480 (60 °C)
Other resistance	UV resistant
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 105 °C (cable, flexible installation)

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### Technical data

#### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Approvals


#### Approvals

Approvals

EAC

Ex Approvals

#### Approval details

EAC		RU C- DE.AI30.B.00767
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