

# Flat-ribbon conductor - VS-ASI-FC-PVC-UL-BK 100M - 1404919

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

RoHS



## Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 327640
GTIN	4046356327640
Weight per Piece (excluding packing)	6,840.000 g
Custom tariff number	85444995
Country of origin	Germany

## Technical data

### Mechanical characteristics

Weight	222.22 g
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### Ambient conditions

	-20 °C ... 90 °C (Flexibly installed)
	-30 °C ... 90 °C (fixed routing)
Ambient temperature (assembly)	-20 °C ... 90 °C
Ambient temperature (storage/transport)	-30 °C ... 90 °C

### Material data

Width	10 mm
Height	4 mm

### Line characteristics

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## Technical data

### 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	48 V
Test voltage, cable	2000 V
Outer sheath, material	PVC
Material conductor insulation	TPE
Conductor material	Bare Cu litz wires
Cable weight	73 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 type CL2 accord. to UL 13 and NEC Article 725
	UL type CMG accord. to UL 444 and NEC Article 800
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	UL 1581, Sec. 1060 (FT-1)
	UL 1685 (CSA FT 4)
	IEC 60332-1-2
Halogen-free	no
Resistance to oil	UL 1581, Sec. 480 (60 °C)
Other resistance	UV resistant
Ambient temperature (operation)	-30 °C ... 90 °C (cable, fixed installation)
	-20 °C ... 90 °C (cable, flexible installation)

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## Technical data

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Classifications

### eCl@ss

eCl@ss 10.0.1	27060106
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27062002
eCl@ss 9.0	27062002

### ETIM

ETIM 3.0	EC000825
ETIM 4.0	EC000825
ETIM 5.0	EC000830
ETIM 6.0	EC000825
ETIM 7.0	EC003250

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604
UNSPSC 18.0	26121707
UNSPSC 19.0	26121707
UNSPSC 20.0	26121707
UNSPSC 21.0	26121707

## Approvals

### Approvals

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### Approvals

Approvals

EAC

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Ex Approvals

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### Approval details

EAC		RU D- DE.HB35.B.00385
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### Accessories

Accessories

Cable connector

Conductor connectors - Q 1,5/4IDC/24-24KU-KU-ASI-BK - 1585058



Flat conductor connector with QUICKON fast connection technology, 4-pos., for connecting one or two AS-interface flat conductors

### Mounting material

Fastening clip - VS-ASI-2FC-FIX - 1404757



Fastening clip for two AS-Interface flat conductors, self-adhesive and with a 3 mm hole for additional fastening, plastic, gray

### Panel feed-through

## Flat-ribbon conductor - VS-ASI-FC-PVC-UL-BK 100M - 1404919

### Accessories

Panel feed-through - Q 1,5/4A50/24-M20KU-ESA-ASI BK - 1437274



Panel feed-through with QUICKON fast connection technology, for accommodating one or two AS-i flat-ribbon conductors, on the rear side with four 0.5 m long individual wires 1.5 mm<sup>2</sup>

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Panel feed-through - Q 1,5/4FL/24-M20KU-ESA-ASI BK - 1437261



Panel feed-through with QUICKON fast connection technology, for accommodating one or two AS-i flat conductors, on the rear side with manual solder/slip-on connection 4.8 x 0.8 mm

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### Seal

Seal - ASI SACB KABEL-ENDDICHTUNG - 1692336



End sealing for AS-Interface flat-ribbon conductor, can be used on both sides, color:Black

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### Stripping tool

Stripping tool - WIREFOX ASI - 1212154



Stripping pliers, for AS interface flat-ribbon cables, any desired stripping length

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