

# VS-ASI-FC-PUR-BK/1000 - Flat cable



1404854

<https://www.phoenixcontact.com/us/products/1404854>

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AS-Interface PUR flat conductor in black, for additional power supply, 2 x 1.5 mm<sup>2</sup>, 1000 m on an one-way drum

## Commercial data

Item number	1404854
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356327589
Weight per piece (including packing)	222.22 g
Weight per piece (excluding packing)	222.22 g
Customs tariff number	85444995
Country of origin	DE

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## Technical data

### Product properties

Product type	Data cable by the meter
Sensor type	AS-Interface
Number of positions	2
Shielded	no

### Electrical properties

Rated voltage (III/3)	48 V
Rated surge voltage	2 kV

### Interfaces

Signal type/category	AS-Interface
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### Dimensions

Width	10 mm
Height	4 mm

### Cable/line

Cable length	1000 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	PUR
External sheath, color	black RAL 9005
Conductor material	Tin-plated Cu litz wires
Material wire insulation	PP
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>

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	Max. bending cycles: 10000000, Bending radius: 50 mm, Traversing direction: vertical, above the broadside
Halogen-free	yes
Special properties	Silicone-free
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation) -30 °C ... 85 °C (Cable, flexible installation)

## FO cable

Transmission medium	Copper
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## Mechanical properties

Duty cycle testing	suitable for drag chain
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (fixed routing) -30 °C ... 85 °C (Flexibly installed)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-30 °C ... 85 °C

## Standards and regulations

### Testing

Duty cycle testing	suitable for drag chain
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## Classifications

### UNSPSC

UNSPSC 21.0	26121707
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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-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

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