

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



1404854

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



AS-Interface PUR flat conductor in black, for additional power supply, 2 x 1.5 mm², 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

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

1404854

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



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
----------------------	--------------

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 ²
Conductor type	Flat cable
Conductor structure, voltage supply	84x 0.15 mm
AWG power supply	16
Conductor cross section	1.5 mm ²
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 ²

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

1404854

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



	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
---------------------	--------

Mechanical properties

Duty cycle testing	suitable for drag chain
--------------------	-------------------------

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

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

1404854

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



Classifications

UNSPSC

UNSPSC 21.0

26121707

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

1404854

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



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA

586 Fulling Mill Road

Middletown, PA 17057, United States

(+717) 944-1300

info@phoenixcon.com