

VS-ASI-FC-PVC-UL-YE 100M - Flat cable



1404906

<https://www.phoenixcontact.com/gb/products/1404906>

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 PVC flat conductor with UL in yellow, 2 x 1.5 mm², 100 m ring

Commercial data

Item number	1404906
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AF1LFA
Product key	AF1LFA
GTIN	4046356327633
Weight per piece (including packing)	6,541 g
Weight per piece (excluding packing)	6,025 g
Customs tariff number	85444995
Country of origin	DE

VS-ASI-FC-PVC-UL-YE 100M - Flat cable



1404906

<https://www.phoenixcontact.com/gb/products/1404906>

Technical data

Product properties

Product type	Data cable by the meter
Sensor type	AS-Interface
Number of positions	2

Electrical properties

Transmission speed	167 kbps
--------------------	----------

Interfaces

Signal type/category	AS-Interface, 167 kbps
----------------------	------------------------

Cable/line

Cable length	100 m
Cable weight	73 kg/km
Number of positions	2
Shielded	no
Conductor structure	2 x 1.5 mm ²
Conductor type	Flat cable
Conductor structure signal line	84x 0.15 mm
AWG signal line	16
Conductor cross-section	1.5 mm ²
Wire diameter incl. insulation	2.5 mm
Outer sheath, material	PVC
External sheath, color	lemon yellow RAL 1012
Conductor material	Tin-plated 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	32 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 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) UL 1581, Sec. 1060 (FT-1) UL 1685 (CSA FT 4)

VS-ASI-FC-PVC-UL-YE 100M - Flat cable



1404906

<https://www.phoenixcontact.com/gb/products/1404906>

	IEC 60332-1-2
Resistance to oil	UL 1581, Sec. 480 (60 °C)
Other resistance	UV resistant
Special properties	UL type CL2 accord. to UL 13 and NEC Article 725
	UL type CMG accord. to UL 444 and NEC Article 800
Ambient temperature (operation)	-30 °C ... 90 °C (cable, fixed installation)
	-20 °C ... 90 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation) (Cable, flexible installation)	-20 °C ... 90 °C (Flexibly installed)
Ambient temperature (operation) (Cable, fixed installation)	-30 °C ... 90 °C (fixed routing)
Ambient temperature (storage/transport)	-30 °C ... 90 °C

VS-ASI-FC-PVC-UL-YE 100M - Flat cable



1404906

<https://www.phoenixcontact.com/gb/products/1404906>

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249
-----------	----------

UNSPSC

UNSPSC 21.0	26121600
-------------	----------

VS-ASI-FC-PVC-UL-YE 100M - Flat cable



1404906

<https://www.phoenixcontact.com/gb/products/1404906>

Environmental product compliance

EU RoHS

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

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

EF3.1 Climate Change

CO2e kg	89.99 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk