

# VS-ASI-FC-TPE-UL-YE 100M - Flat cable



1404922

<https://www.phoenixcontact.com/us/products/1404922>

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 TPE flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 100 m ring

## Commercial data

Item number	1404922
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356339230
Weight per piece (including packing)	6,671 g
Weight per piece (excluding packing)	6,415 g
Customs tariff number	85444995
Country of origin	DE

1404922

<https://www.phoenixcontact.com/us/products/1404922>

## 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	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 signal line	84x 0.15 mm
AWG signal line	16
Conductor cross-section	1.5 mm <sup>2</sup>
Wire diameter incl. insulation	2.5 mm
Outer sheath, material	TPE
External sheath, color	lemon yellow RAL 1012
Conductor material	Bare 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 <sup>2</sup>
	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) IEC 60332-1-2
Resistance to oil	UL 1581, Sec. 480 (60 °C)

# VS-ASI-FC-TPE-UL-YE 100M - Flat cable



1404922

<https://www.phoenixcontact.com/us/products/1404922>

Other resistance	UV resistant
Special properties	UL-Style 2103
	CSA-File LL55255-42
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-30 °C ... 105 °C (Cable, flexible installation)

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation) (Cable, flexible installation)	-30 °C ... 105 °C (Flexibly installed)
Ambient temperature (operation) (Cable, fixed installation)	-40 °C ... 105 °C (fixed routing)
Ambient temperature (storage/transport)	-40 °C ... 105 °C

# VS-ASI-FC-TPE-UL-YE 100M - Flat cable



1404922

<https://www.phoenixcontact.com/us/products/1404922>

## Classifications

### ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

### ETIM

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

### UNSPSC

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

# VS-ASI-FC-TPE-UL-YE 100M - Flat cable



1404922

<https://www.phoenixcontact.com/us/products/1404922>

## 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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](mailto:info@phoenixcon.com)