

# VS-ASI-FC-TPE-UL-YE 1000M - Flat cable

1434662

<https://www.phoenixcontact.com/us/products/1434662>



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AS-Interface TPE flat conductor with UL in yellow, 2 x 1.5 mm<sup>2</sup>, 1000 m on disposable drum

## Commercial data

Item number	1434662
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	BF11
Product key	AF1LFA
GTIN	4046356349307
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)	32 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 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>

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	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)
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)

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 ... 105 °C (fixed routing) -30 °C ... 105 °C (Flexibly installed)
Ambient temperature (storage/transport)	-40 °C ... 105 °C
Ambient temperature (assembly)	-30 °C ... 105 °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.
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### EU REACH SVHC

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