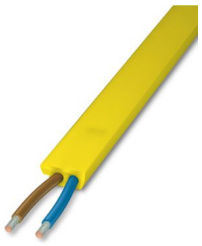
VS-ASI-FC-TPE-UL-YE 100M - Flat cable

1404922

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

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AS-Interface TPE flat conductor with UL in yellow, 2 x 1.5 mm^2, 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

Technical data

Product properties

Product type	Data cable by the meter
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 mm²
Conductor type	Flat cable
Conductor structure signal line	84x 0.15 mm
AWG signal line	16
Conductor cross-section	1.5 mm²
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/s²
	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)

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

Classifications

ECLASS

ECLASS-13.0	27061801
ECLASS-15.0	27061801

ETIM

ETIM 10.0	EC003249

UNSPSC

UNSPSC 21.0	26121600

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	36.61 kg CO2e

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