

Flat-ribbon conductor - VS-ASI-FC-TPE-UL-YE 100M - 1404922

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AS-Interface TPE flat conductor with UL in yellow, 2 x 1.5 mm², 100 m ring

Product Features



Key commercial data

Packing unit	1 pc
Custom tariff number	85444995
Country of origin	Germany

Technical data

Mechanical characteristics

Number of positions	2
Shielded	No
Type of cable	Flat-ribbon conductor
Cable structure	2x 1.5 mm ²
Duty cycle testing	Flexible cable conduit capable
Length of cable	100 m

Ambient conditions

Ambient temperature (operation)	-30 °C ... 105 °C (Flexibly installed)
	-40 °C ... 105 °C (fixed routing)
Ambient temperature (assembly)	-30 °C ... 105 °C
Ambient temperature (storage/transport)	-40 °C ... 105 °C

Material data

Outer sheath, material	TPE
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Material data

External sheath, color	Yellow RAL 1021
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Electrical characteristics

Rated voltage (III/3)	300 V
Rated surge voltage	2 kV

Line characteristics

Type of cable	Flat-ribbon conductor
Cable structure	2x 1.5 mm ²
Conductor cross section	1.5 mm ²
AWG signal line	16
Conductor structure signal line	84x 0.15 mm
Core diameter including insulation	2.5 mm
Thickness, insulation	approx. 0.5 mm
Wire colors	brown, blue
External sheath, color	lemon yellow RAL 1012
Insulation resistance	≥ 1 MΩ*km
Conductor resistance	≤ 13.7 Ω/km
Nominal voltage, cable	300 V
Test voltage, cable	2000 V
Outer sheath, material	TPE
Material conductor insulation	TPE
Conductor material	Bare Cu litz wires
Cable weight	64 kg/km
Smallest bending radius, fixed installation	≥ 6 mm (one-time)
Traversing direction	horizontal, above the broadside
Max. bending cycles	8000000
Bending radius	75 mm
Traversing rate	4 m/s
Acceleration	4 m/s ²
Traversing direction	vertical, above the broadside
Max. bending cycles	10000000
Bending radius	50 mm
Special properties	UL-Style 2103
	CSA-File LL55255-42
Flame resistance	UL 1581, Sec. 1061 (Cable Flame)
	IEC 60332-1-2
Resistance to oil	UL 1581, Sec. 480 (60°C)

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Line characteristics

Other resistance	UV resistant
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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27062002
eCl@ss 5.1	27062002
eCl@ss 6.0	27062002
eCl@ss 7.0	27062002
eCl@ss 8.0	27061801

ETIM

ETIM 3.0	EC000825
ETIM 4.0	EC000825
ETIM 5.0	EC000830

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501