PHŒNIX CONTACT

Flat-ribbon conductor - VS-ASI-FC-PUR-BK 100M - 1404896

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AS-Interface PUR flat conductor in black, for additional power supply, 2 x 1.5 mm², 100 m ring

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356327626
Weight per Piece (excluding packing)	222.220 g
Custom tariff number	85444995
Country of origin	Germany

Technical data

Mechanical characteristics

Weight	6013 g

Ambient conditions

Ambient temperature (operation)	-30 °C ... 85 °C (Flexibly installed)
	-40 °C ... 85 °C (fixed routing)
Ambient temperature (assembly)	-30 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Material data

Width	10 mm
Height	4 mm

Standards and Regulations

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Technical data

Standards and Regulations

Duty cycle testing	suitable for drag chain

Line characteristics

Type of cable	Flat-ribbon conductor
Cable structure	2x 1.5 mm²
Conductor cross section	1.5 mm²
AWG power supply	16
Conductor structure, voltage supply	84x 0.15 mm
Core diameter including insulation	2.5 mm
Thickness, insulation	approx. 0.5 mm
Wire colors	brown, blue
External sheath, color	black RAL 9005
Insulation resistance	$\geq 1\ M\Omega{*}km$
Conductor resistance	$\leq 13.7\ \Omega/km$
Nominal voltage, cable	48 V
Test voltage, cable	2000 V
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated 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/s²
Traversing direction	vertical, above the broadside
Max. bending cycles	10000000
Bending radius	50 mm
Special properties	Silicone-free
Halogen-free	yes
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-30 °C ... 85 °C (cable, flexible installation)

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Classifications

eCl@ss

eCl@ss 10.0.1	27060106
eCl@ss 4.0	24010400
eCl@ss 4.1	24010400
eCl@ss 5.0	19030300
eCl@ss 5.1	19030300
eCl@ss 6.0	27061800
eCl@ss 7.0	27061801
eCl@ss 8.0	27062002
eCl@ss 9.0	27062002

ETIM

ETIM 3.0	EC000825
ETIM 4.0	EC000825
ETIM 5.0	EC000830
ETIM 6.0	EC000825
ETIM 7.0	EC003250

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	26121604
UNSPSC 18.0	26121707
UNSPSC 19.0	26121707
UNSPSC 20.0	26121707
UNSPSC 21.0	26121707

Approvals

Approvals

Approvals

EAC

Ex Approvals

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Approvals

Approval details

		RU D-DE.HB35.B.00385
EAC	EHC	

Accessories

Accessories

Cable connector

Conductor connectors - Q 1,5/4IDC/24-24KU-KU-ASI-BK - 1585058

Flat conductor connector with QUICKON fast connection technology, 4-pos., for connecting one or two AS-interface flat conductors

Mounting material

Fastening clip - VS-ASI-2FC-FIX - 1404757

Fastening clip for two AS-Interface flat conductors, self-adhesive and with a 3 mm hole for additional fastening, plastic, gray

Panel feed-through

Panel feed-through - Q 1,5/4A50/24-M20KU-ESA-ASI BK - 1437274

Panel feed-through with QUICKON fast connection technology, for accommodating one or two AS-i flat-ribbon conductors, on the rear side with four 0.5 m long individual wires 1.5 mm²

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Accessories

Panel feed-through - Q 1,5/4FL/24-M20KU-ESA-ASI BK - 1437261

Panel feed-through with QUICKON fast connection technology, for accommodating one or two AS-i flat conductors, on the rear side with manual solder/slip-on connection 4.8 x 0.8 mm

Seal

Seal - ASI SACB KABEL-ENDDICHTUNG - 1692336

End sealing for AS-Interface flat-ribbon conductor, can be used on both sides, color:Black

Stripping tool

Stripping tool - WIREFOX ASI - 1212154

Stripping pliers, for AS interface flat-ribbon cables, any desired stripping length