

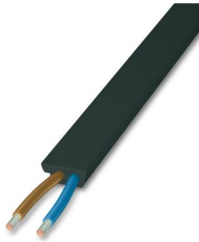
VS-ASI-FC-PVC-UL-BK 100M - Flat cable



1404919

<https://www.phoenixcontact.com/us/products/1404919>

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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1404919 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF11 |
| Product key | BF1LFA |
| Catalog page | Page 438 (C-2-2019) |
| GTIN | 4046356327640 |
| 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 |

Electrical properties

| | |
|-----------------------|------|
| Rated voltage (III/3) | 48 V |
| Rated surge voltage | 2 kV |

Interfaces

| | |
|----------------------|--------------|
| Signal type/category | AS-Interface |
|----------------------|--------------|

Dimensions

| | |
|--------|-------|
| Width | 10 mm |
| Height | 4 mm |

Cable/line

| | |
|---|---|
| Cable length | 100 m |
| Cable weight | 73 kg/km |
| Number of positions | 2 |
| Shielded | no |
| Conductor structure | 2 x 1.5 mm ² |
| Conductor type | Flat cable |
| Conductor cross section | 1.5 mm ² |
| Wire diameter incl. insulation | 2.5 mm |
| Outer sheath, material | PVC |
| External sheath, color | black RAL 9005 |
| 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 | 48 V |
| Test voltage | 2000 V |
| Smallest bending radius, fixed installation | ≥ 6 mm (one-time) |
| Max. bending cycles | 8000000 10000000 |
| Halogen-free | no |
| Flame resistance | UL 1581, Sec. 1061 (Cable Flame) UL 1581, Sec. 1060 (FT-1) UL 1685 (CSA FT 4) |

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| | |
|---------------------------------|---|
| | IEC 60332-1-2 |
| Resistance to oil | UL 1581, Sec. 480 (60 °C) |
| Other resistance | UV resistant |
| Special properties | UL type CL2 accord. to UL 13 and NEC Article 725 |
| | UL type CMG accord. to UL 444 and NEC Article 800 |
| Ambient temperature (operation) | -30 °C ... 90 °C (cable, fixed installation) |
| | -20 °C ... 90 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|---|---------------------------------------|
| Ambient temperature (operation) | -20 °C ... 90 °C (Flexibly installed) |
| | -30 °C ... 90 °C (fixed routing) |
| Ambient temperature (storage/transport) | -30 °C ... 90 °C |
| Ambient temperature (assembly) | -20 °C ... 90 °C |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27061801 |
| ECLASS-12.0 | 27061801 |
| ECLASS-13.0 | 27061801 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC003249 |
|----------|----------|

UNSPSC

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

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Environmental product compliance

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

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