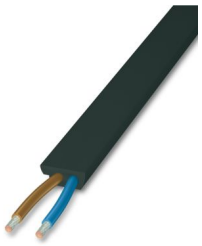
# VS-ASI-FC-PVC-UL-BK 100M - Flat cable

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 $mm^2$, 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 | AF1LFA |
| GTIN | 4046356327640 |
| Weight per piece (including packing) | 6,683 g |
| Weight per piece (excluding packing) | 6,683 g |
| Customs tariff number | 85444995 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Data cable by the meter |
| Number of positions | 2 |

### Interfaces

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

### Cable/line

| | |
|---|---|
| Cable length | 100 m |
| Cable weight | 73 kg/km |
| Number of positions | 2 |
| Shielded | no |
| Conductor structure | 2 x 1.5 mm² |
| Conductor type | Flat cable |
| Conductor structure, voltage supply | 84x 0.15 mm |
| AWG power supply | 16 |
| Conductor cross-section | 1.5 mm² |
| 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) |
| 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) |
| | UL 1581, Sec. 1060 (FT-1) |
| | UL 1685 (CSA FT 4) |
| | 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) (Cable, flexible installation) | -20 °C ... 90 °C (Flexibly installed) |
| Ambient temperature (operation) (Cable, fixed installation) | -30 °C ... 90 °C (fixed routing) |
| Ambient temperature (storage/transport) | -30 °C ... 90 °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% |

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com