

VS-ASI-FC-TPE-UL-BK 1000M - Flat cable



1434675

<https://www.phoenixcontact.com/us/products/1434675>

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AS-Interface TPE flat conductor with UL in black, for additional power supply, 2 x 1.5 mm², 1000 m disposable drum

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 1434675 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BF11 |
| Product key | AF1LFA |
| GTIN | 4046356349284 |
| 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 |
| Shielded | no |

Electrical properties

| | |
|-----------------------|------|
| Rated voltage (III/3) | 32 V |
| Rated surge voltage | 2 kV |

Interfaces

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

Dimensions

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

Cable/line

| | |
|---|--|
| Cable length | 1000 m |
| Cable weight | 64 kg/km |
| Number of positions | 2 |
| Shielded | no |
| Conductor structure | 2 x 1.5 mm ² |
| Conductor type | Flat cable |
| Conductor structure, voltage supply | 84x 0.15 mm |
| AWG power supply | 16 |
| Conductor cross-section | 1.5 mm ² |
| Wire diameter incl. insulation | 2.5 mm |
| Outer sheath, material | TPE |
| 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/s ² |

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| | |
|---------------------------------|--|
| | 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) |

FO cable

| | |
|---------------------|--------|
| Transmission medium | Copper |
|---------------------|--------|

Mechanical properties

| | |
|--------------------|-------------------------|
| Duty cycle testing | suitable for drag chain |
|--------------------|-------------------------|

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Testing

| | |
|--------------------|-------------------------|
| Duty cycle testing | suitable for drag chain |
|--------------------|-------------------------|

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121707 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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