

# Flat-ribbon conductor - VS-ASI-FC-TPE-UL-BK 1000M - 1434675

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AS-Interface TPE flat conductor with UL in black, for additional power supply, 2 x 1.5 mm<sup>2</sup>, 1000 m disposable drum



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 STK   |
| GTIN         | <br>4 046356 349284 |
| GTIN         | 4046356349284   |

## Technical data

### Mechanical characteristics

|                     |                                |
|---------------------|--------------------------------|
| Number of positions | 2                              |
| Shielded            | No                             |
| Type of cable       | Flat-ribbon conductor          |
| Cable structure     | 2x 1.5 mm <sup>2</sup>         |
| Duty cycle testing  | Flexible cable conduit capable |
| Length of cable     | 1000 m                         |

### Ambient conditions

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

### Material data

|                        |                |
|------------------------|----------------|
| Outer sheath, material | TPE            |
| External sheath, color | black RAL 9005 |

### Electrical characteristics

|                       |       |
|-----------------------|-------|
| Rated voltage (III/3) | 300 V |
|-----------------------|-------|

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## Technical data

### Electrical characteristics

|                     |      |
|---------------------|------|
| Rated surge voltage | 2 kV |
|---------------------|------|

### Standards and Regulations

|                    |                                |
|--------------------|--------------------------------|
| Duty cycle testing | Flexible cable conduit capable |
|--------------------|--------------------------------|

### Line characteristics

|   |                                  |
|---|----------------------------------|
| Type of cable                               | Flat-ribbon conductor            |
| Cable structure                             | 2x 1.5 mm <sup>2</sup>           |
| Conductor cross section                     | 1.5 mm <sup>2</sup>              |
| 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                       | ≥ 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 <sup>2</sup>               |
| 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                    |
| Halogen-free                                | no                               |
| Resistance to oil                           | UL 1581, Sec. 480 (60 °C)        |
| Other resistance                            | UV resistant                     |

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