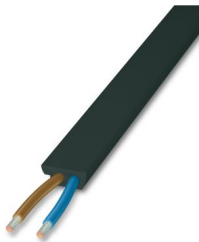


1416314

<https://www.phoenixcontact.com/us/products/1416314>

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AS-Interface TPE flat-ribbon conductor with UL in black, for additional energy supply, 2 x 1.5 mm<sup>2</sup>, 10 m ring, with end clip for AS-Interface

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1416314       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 50 pc         |
| Product key                          | AF1LFA        |
| GTIN                                 | 4055626069609 |
| Weight per piece (including packing) | 665.7 g       |
| Weight per piece (excluding packing) | 665.7 g       |
| Country of origin                    | DE            |

# SAC-ASIFCTPE10M+2SEALHP SET DS - Flat cable



1416314

<https://www.phoenixcontact.com/us/products/1416314>

## Technical data

### Product properties

|                     |                    |
|---------------------|--------------------|
| Product type        | Cable by the meter |
| Sensor type         | AS-Interface       |
| Number of positions | 2                  |
| Shielded            | no                 |

### Interfaces

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

### Cable/line

|                                             |                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable length                                | 10 m                                                                                                                                                                 |
| Cable weight                                | 64 kg/km                                                                                                                                                             |
| Number of positions                         | 2                                                                                                                                                                    |
| Shielded                                    | no                                                                                                                                                                   |
| Conductor structure                         | 2 x 1.5 mm <sup>2</sup>                                                                                                                                              |
| Conductor type                              | Flat cable                                                                                                                                                           |
| Conductor structure, voltage supply         | 84x 0.15 mm                                                                                                                                                          |
| AWG power supply                            | 16                                                                                                                                                                   |
| Conductor cross section                     | 1.5 mm <sup>2</sup>                                                                                                                                                  |
| 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 <sup>2</sup> |
|                                             | 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                                                                                                                                                        |

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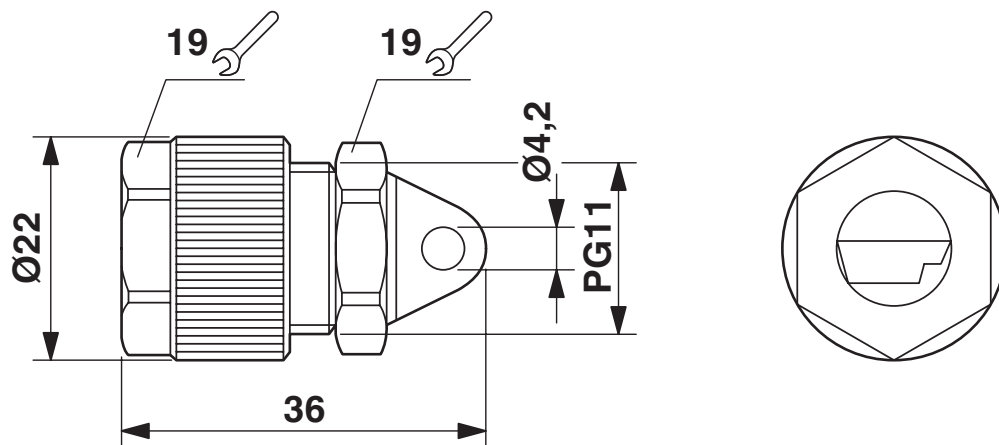
|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
|                                 | CSA-File LL55255-42                              |
| Ambient temperature (operation) | -40 °C ... 105 °C (cable, fixed installation)    |
|                                 | -30 °C ... 105 °C (Cable, flexible installation) |

Environmental and real-life conditions

|                                 |                                        |
|---------------------------------|----------------------------------------|
| Ambient conditions              |                                        |
| Ambient temperature (operation) | -30 °C ... 105 °C (Flexibly installed) |
|                                 | -40 °C ... 105 °C (fixed routing)      |
|                                 | -20 °C ... 70 °C (Seal)                |

## Drawings

Dimensional drawing



# SAC-ASIFCTPE10M+2SEALHP SET DS - Flat cable



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27061801 |
| ECLASS-15.0 | 27061801 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC003249 |
|----------|----------|

### UNSPSC

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

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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-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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