

SAC-4P-100,0-93P - Bus system cable



1401819

<https://www.phoenixcontact.com/us/products/1401819>

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Bus system cable, Ethernet, 4-wire, shielded, PVC, blue outer sheath, 2 x 2 x 0.14 mm², cable ring: 100 m

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1401819 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | BF11 |
| Product key | BF1LFA |
| GTIN | 4046356574129 |
| Weight per piece (including packing) | 4,975.1 g |
| Weight per piece (excluding packing) | 4,975.1 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 | Ethernet |
| Number of positions | 4 |

Electrical properties

| | |
|---|-----------------------|
| Transmission medium | Copper |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002) |

Interfaces

| | |
|----------------------|--------------------------------|
| Signal type/category | Ethernet CAT5 (IEC 11801:2002) |
|----------------------|--------------------------------|

Cable/line

| | |
|--------------|-------|
| Cable length | 100 m |
|--------------|-------|

Ethernet [93P]

| | |
|---------------------------------|--|
| UL AWM Style | 2654 (90 °C / 300 V) |
| Number of positions | 4 |
| Shielded | yes |
| Cable type | Ethernet [93P] |
| Conductor structure | 2x2xAWG26/7, SF/UTP |
| Signal runtime | 0.4 ns/m |
| Signal speed | 0.6 c |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Conductor cross section | 2x 2x 0.14 mm ² |
| Wire diameter incl. insulation | 0.98 mm ±0.05 mm |
| External cable diameter | 6.40 mm ±0.2 mm |
| Outer sheath, material | PVC |
| External sheath, color | water blue RAL 5021 |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PP |
| Single wire, color | white/orange-orange, white/green-green |
| Thickness, outer sheath | ≥ 1.00 mm |
| Twisted pairs | 2 cores to the pair |
| Type of pair shielding | Aluminum-lined polyester foil |
| Overall twist | Two pairs with two fillers to the core |
| Optical shield covering | 85 % |
| Max. conductor resistance | ≤ 140 Ω/km |
| Insulation resistance | > 5 GΩ*km |
| Wave impedance | 100 Ω ±5 % (at 100 MHz) |
| Working capacitance | < 56 nF |

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| | |
|---|--|
| Nominal voltage, cable | ≤ 300 V AC |
| | ≤ 450 V DC |
| Test voltage Core/Core | 2500 V DC |
| Smallest bending radius, movable installation | 25 mm |
| Tensile strength | ≤ 40 N |
| Shield attenuation | 32.00 dB (up to 100 MHz) |
| Flame resistance | According to VW-1 |
| Resistance to oil | in accordance with DIN EN 60811-2-1 |
| Other resistance | Resistant to cleaning agents/disinfectants (According to ECOLAB F&E/P3-E No. 40-1) |
| Ambient temperature (operation) | -40 °C ... 90 °C |
| Ambient temperature (installation) | 0 °C ... 50 °C |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 90 °C (Cable, flexible installation) |
|---------------------------------|---|

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1401819>



EAC-RoHS

Approval ID: RU D-DE.HB35.B.00371

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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

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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Accessories

WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/products/1212623>



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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