

SAC-4P- 5,0-100/M 8FR BS - Data cable



1504929

<https://www.phoenixcontact.com/us/products/1504929>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Data cable, 4-position, PUR/PVC, gray RAL 7001, free cable end, on Socket angled M8, coding: A, cable length: 5 m

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1504929 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Product key | AF1BCA |
| GTIN | 4017918848545 |
| Weight per piece (including packing) | 158.45 g |
| Weight per piece (excluding packing) | 158.45 g |
| Country of origin | DE |

SAC-4P- 5,0-100/M 8FR BS - Data cable

1504929

<https://www.phoenixcontact.com/us/products/1504929>

Technical data

Product properties

| | |
|---------------------|-----------------------|
| Product type | Sensor/actuator cable |
| Number of positions | 4 |
| Shielded | no |
| Coding | A |

Electrical properties

| | |
|-----------------------|---------|
| Nominal voltage U_N | 48 V AC |
| | 60 V DC |

Connector

Connection 1

| | |
|------|----------------|
| Type | free cable end |
|------|----------------|

Connection 2

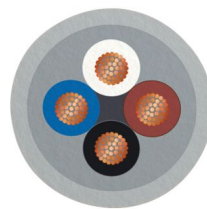
| | |
|---------------------|------------------|
| Type | Socket angled M8 |
| Number of positions | 4 |
| Coding type | A |

Cable/line

| | |
|--------------|-----|
| Cable length | 5 m |
|--------------|-----|

PUR/PVC gray [100]

Dimensional drawing



| | |
|---------------------------------|----------------------|
| Cable weight | 32 kg/km |
| Number of positions | 4 |
| Shielded | no |
| Cable type | PUR/PVC gray [100] |
| Conductor structure signal line | 32x 0.10 mm |
| AWG signal line | 24 |
| Conductor cross-section | 0.25 mm ² |
| Wire diameter incl. insulation | 1.32 mm ±0.02 mm |
| External cable diameter | 4.70 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | gray RAL 7001 |

SAC-4P- 5,0-100/M 8FR BS - Data cable



1504929

<https://www.phoenixcontact.com/us/products/1504929>

| | |
|---|---|
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PVC |
| Single wire, color | brown, white, blue, black |
| Thickness, insulation | ≥ 0.23 mm (Core insulation) |
| | ≥ 0.38 mm (Outer cable sheath) |
| | approx. 3.80 mm ±0.1 mm (Inner sheath) |
| Overall twist | 4 wires, twisted |
| Max. conductor resistance | max. 78 Ω/km (at 20 °C) |
| Insulation resistance | ≥ 100 MΩ*km (at 20 °C) |
| Nominal voltage, cable | ≤ 300 V |
| Test voltage | ≥ 3000 V |
| Smallest bending radius, fixed installation | 47 mm |
| Smallest bending radius, movable installation | 47 mm |
| Dynamic load capacity (bending) | Max. bending cycles: 2000000, Bending radius: 47 mm, Traversing path: 5 m, Traversing rate: 3 m/s |
| Flame resistance | in accordance with DIN UL-Style 20549 |
| Ambient temperature (operation) | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

Environmental and real-life conditions

Ambient conditions

| | |
|---------------------------------|--|
| Ambient temperature (operation) | -25 °C ... 90 °C (Plug / socket) |
| | -25 °C ... 80 °C (cable, fixed installation) |
| | -5 °C ... 80 °C (Cable, flexible installation) |

SAC-4P- 5,0-100/M 8FR BS - Data cable



1504929

<https://www.phoenixcontact.com/us/products/1504929>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060311 |
| ECLASS-15.0 | 27060311 |

SAC-4P- 5,0-100/M 8FR BS - Data cable



1504929

<https://www.phoenixcontact.com/us/products/1504929>

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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

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