

**INDUSTRIAL COMPONENT DATA**

# SAC-3P-500,0-PUR/0,25 1416360 PHOENIX CONTACT

## Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-500,0-PUR/0,25



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | SAC-3P-500,0-PUR/0,25        |
| Catalog number  | 1416360                      |
| Category        | Data and communication cable |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-D7AD93E2BA                |
| Generated       | 2026-08-06                   |

### Product Overview

Sensor/actuator cable

By meters, Cable ring, halogen-free PUR, grayish black RAL 7021, 3-conductors, color single conductors: brown, blue, black, cable length: 500 m

**STRUCTURED PRODUCT DATA**

### Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

### Classification & Catalog Path

Catalog path **PHOENIX CONTACT > Industrial Field Connectivity (IFC)**

### Additional Product Information

Key Commercial Data

Orderkey 1416360

Packing unit 1 pc

GTIN 4055626071329

Weight per Piece (excluding packing) 17.780 g

Custom tariff number 85444290

Country of origin DE (Germany)

Dimensions

Length of cable 500 m

General

Rated voltage 250 V AC

250 V DC

Number of positions 3

**Cable**

Cable type PUR halogen-free black  
Cable type (abbreviation) PUR  
Cable abbreviation Li9Y11Y-HF  
UL AWM style 20549  
Conductor cross section  $3 \times 0.25 \text{ mm}^2$   
AWG signal line 24  
Conductor structure signal line  $32 \times 0.10 \text{ mm}$   
Core diameter including insulation  $1.17 \text{ mm} \pm 0.02 \text{ mm}$   
Thickness, insulation  $\geq 0.21 \text{ mm}$  (Core insulation)  
Wire colors brown, blue, black  
Overall twist 3 wires, twisted  
Length of twist, overall twist 40 mm  
External sheath, color black-gray RAL 7021  
Outer sheath thickness approx. 0.5 mm  
External cable diameter  $D 3.6 \text{ mm} \pm 0.15 \text{ mm}$   
Smallest bending radius, fixed installation 18 mm  
Smallest bending radius, movable installation 36 mm  
Number of bending cycles 10000000  
Bending radius 44 mm  
Traversing path 10 m  
Traversing rate 3 m/s  
Acceleration  $10 \text{ m/s}^2$   
Cable weight 18 kg/km  
Outer sheath, material PUR  
Material conductor insulation PP  
Conductor material Bare Cu litz wires  
Insulation resistance  $\geq 100 \text{ G}\cdot\text{km}$  (at  $20^\circ\text{C}$ )  
Conductor resistance  $\leq 78 \text{ }\Omega/\text{km}$  (at  $20^\circ\text{C}$ )  
Nominal voltage, cable  $\leq 300 \text{ V}$   
Test voltage, cable  $\geq 3000 \text{ V}$   
Special properties Flexible cable conduit capable  
Silicone-free  
Free of substances which would hinder coating with paint or varnish  
Flame resistance in accordance with UL 758/1581 FT2  
DIN EN 60...

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / SAC-3P-500,0-PUR/0,25 with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

**GLOBAL OFFICES**

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