

**INDUSTRIAL COMPONENT DATA**

# SAC-4P-12,0-PUR/M12FS SH LAM 1401163 PHOENIX CONTACT Sensor/actuator cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-12,0-PUR/M12FS SH LAM



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | SAC-4P-12,0-PUR/M12FS SH LAM |
| Catalog number  | 1401163                      |
| Category        | Sensor-actuator patch cord   |
| Minimum order   | 100 Pcs                      |
| Document ID     | EO-2E2054088C                |
| Generated       | 2026-08-06                   |

## Product Overview

Sensor/actuator cable

Sensor/actuator cable, halogen-free PUR, greyish black RAL 7021, shielded (Advanced Shielding Technology)

**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 &gt; Industrial Field Connectivity (IFC)

## Additional Product Information

Key Commercial Data

Orderkey 1401163

Packing unit 1

GTIN 4046356530118

Custom tariff number 85444290

General

Rated voltage 48 V AC

60 V DC

Insertion/withdrawal cycles &gt;= 100

Cable

Cable type PUR halogen-free black

Cable type (abbreviation) PUR

Cable abbreviation Li9Y-V1-C-V1-11Y

UL AWM style 20549 / 10493 (80°C/300 V)

Conductor cross section 4x 0.34 mm<sup>2</sup> (Signal line)  
AWG signal line 22  
Conductor structure signal line 42x 0.10 mm  
Core diameter including insulation 1.27 mm ±0.02 mm (Signal line)  
Thickness, insulation ≥ 0.21 mm  
Wire colors brown, white, blue, black  
Overall twist 4 wires, twisted  
Shielding Tinned copper braided shield  
Optical shield covering 80 %  
External sheath, color black-gray RAL 7021  
Outer sheath thickness approx. 0.5 mm  
External cable diameter D 4.95 mm ±0.2 mm  
Minimum bending radius, fixed installation 5 x D  
Minimum bending radius, flexible installation 10 x D  
Number of bending cycles 10000000  
Minimum bending radius, drag chain applications 10 x D  
Traversing path 10 m  
Traversing rate 3 m/s  
Acceleration 10 m/s<sup>2</sup>  
Cable weight 36 kg/km  
Outer sheath, material PUR  
Material conductor insulation PP  
Conductor material Bare Cu litz wires  
Insulation resistance ≥ 100 G?·km (at 20 °C)  
Conductor resistance max. 58 ?/km (at 20 °C)  
Cable capacity ≤ 80 pF/m (Conductor-Conductor)  
≤ 135 pF/m (Wire/shield)  
Wave impedance ≥ 62 ? (f = 10 MHz)  
Conductor inductance approx. 0.75 mH/km (f = 1 kHz)  
Nominal voltage, cable ≤ 300 V  
Test voltage, cable ≥ 3000 V  
Special properties Flexib...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-12,0-PUR/M12FS SH LAM 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

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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