

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	2026-08-05

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 > 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 >= 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 mm² (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/s²
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 or use 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

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.