INDUSTRIAL COMPONENT DATA

SAC-4P- 3,0-PUR/M12FSB SH BK 1425845 PHOENIX CONTACT Sensor/actuator cable SAC-4P- 3,0-PUR/M12FSB SH BK 1425..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P- 3,0-PUR/M12FSB SH BK

PRODUCT IMAGE\nNOT AVAILABLE

Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-4P- 3,0-PUR/M12FSB SH BK
Catalog number	1425845
Category	Sensor-actuator patch cord
Minimum order	100 Pcs
Document ID	EO-2BE6D56AE6
Generated	2026-11-19

Product Overview

Sensor/actuator cable - SAC-4P- 3,0-PUR/M12FSB SH BK - 1425845

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

Sensor/actuator cable, PUR halogen-free, black-gray RAL 7021, shielded
Key Commercial Data
Orderkey 1425845
Packing unit 1
GTIN 4055626428871
Custom tariff number 85444290
General
Rated voltage 48 V AC
60 V DC
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, cab...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P- 3,0-PUR/M12FSB SH BK 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

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