

INDUSTRIAL COMPONENT DATA

SAC-4P-5,0-PUR/M12FS SH BK 1404486 PHOENIX CONTACT

Sensor/actuator cable SAC-4P-5,0-PUR/M12FS SH BK 1404486

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-5,0-PUR/M12FS SH BK



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-4P-5,0-PUR/M12FS SH BK
Catalog number	1404486
Category	Sensor-actuator patch cord
Minimum order	50 Pcs
Document ID	EO-3C65EB68E3
Generated	2026-08-06

Product Overview

Sensor/actuator cable - SAC-4P-5,0-PUR/M12FS SH BK - 1404486

Sensor/actuator cable, 4 poles, halogen-free PUR, greyish black RAL 7021, shielded, free cable end, black straight M12 connection socket, A-coded, cable length: 5 m

Sensor/actuator cable, 4-pos., PUR, halogen free, RAL 7021 (black gray), shielded, free cable end, to straight black M12 socket, A-coded, cable length: 5 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

Technical dataProduct propertiesProduct type Sensor/actuator cable

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Cable/linePUR halogen-free black [PUR]

Dimensional drawing

Cable weight 36 kg/km

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

Number of positions 4

Shielded yes

Cable type PUR halogen-free black [PUR]

Conductor structure signal line 42x 0.10 mm

AWG signal line 22

Conductor cross section 4x 0.34 mm² (Signal line)

Wire diameter incl. insulation 1.27 mm ±0.02 mm (Signal line)

External cable diameter 4.95 mm ±0.2 mm

Outer sheath, material PUR

External sheath, color black-gray RAL 7021

Conductor material Bare Cu litz wires

Material wire insulation PP

Single wire, color brown, white, blue, black

Thickness, insulation ≥ 0.21 mm

Thickness, outer sheath approx. 0.50 mm

Overall twist 4 wires, twisted

Optical shield covering 80 %

Max. conductor resistance max. 58 Ω/km (at 20 °C)

Insulation resistance ≥ 100 GΩ*km (at 20 °C)

Wave impedance ≥ 62 Ω (f = 10 MHz)

Cable capacity ≤ 80 pF/m (Conductor-Conductor)

≤ 135 pF/m (Wire/shield)

Nominal voltage, cable ≤ 300 V

Test voltage ≥ 3000 V

Minimum bending radius, fixed installation 5 x D

Minimum bending radius, flexible installation 10 x D

Smallest bending radius, fixed installation 25 mm

Smallest bending radius, movable installation 50 mm

Dynamic load capacity (bending) Max. bending cycles: 10000000, Bending radius: 10 x D, Traversing path: 10 m,

Traversing rate: 3 m/s, Acceleration: 10 m/s²

Halogen-free in accordance with DIN V...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-5,0-PUR/M12FS 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

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.