

INDUSTRIAL COMPONENT DATA

SAC-3P-M12MR/ 2,0-PVC/M12FR 1447536 PHOENIX CONTACT Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray)..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-3P-M12MR/ 2,0-PVC/M12FR



Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-3P-M12MR/ 2,0-PVC/M12FR
Catalog number	1447536
Category	Data cable
Minimum order	50 Pcs
Document ID	EO-0FC3274BFB
Generated	2026-08-04

Product Overview

Sensor/actuator cable, 3-pos., PVC, RAL 7021 (black-gray), angled M12 male plug, A-coded, to angled M12 female plug, A-coded, cable length: 2.0 m

Sensor/actuator cable, 3 poles, PVC, greyish black RAL 7021, angled male connector M12, coded A, in angled female connection M12, coded A, cable length: 2.0 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 1447536

Packing unit 1

GTIN 4046356692472

Custom tariff number 85444290

Drawings

General

Environmental Product Compliance

Ambient conditions

Cable

Classifications

Drawings

Cable cross section

PVC black [PVC]

[Back to top](#)Ambient conditions

Degree of protection IP65

IP67

[Back to top](#)General

Rated current at 40°C 4 A

Rated voltage 250 V AC

250 V DC

Overvoltage category II

Degree of pollution 3

Torque 0.4 Nm

[Back to top](#)Cable

Cable type PVC black

Cable type (abbreviation) PVC

Cable abbreviation LiYY

UL AWM style 2464 / 1729 (80°C/300 V)

Conductor cross section 3x 0.34 mm² (Signal line)

AWG signal line 22

Conductor structure signal line 19x 0.15 mm

Core diameter including insulation 1.26 mm ±0.05 mm

Thickness, insulation ≥ 0.23 mm (Core insulation)

Wire colors brown, blue, black

Overall twist 3 wires, twisted

External sheath, color black RAL 9005

Outer sheath thickness ≥ 0.76 mm

External cable diameter D 4.3 mm ±0.2 mm

Minimum bending radius, fixed installation 5 x D

Minimum bending radius, flexible installation 10 x D

Cable weight 40 kg/km

Outer sheath, material PVC

Material conductor insulation PVC

Conductor material Bare Cu litz wires

Insulation resistance ≥ 100 MΩ·km (at 20 °C)

Conductor resistance max. 57 Ω/km (at 20 °C)

Nominal voltage, cable ≤ 300 V

Test voltage, cable ≥ 2500 V

Flame resistance As per UL-Style 2464

Ambient temperature (operation) -40 °C ... 80 °C (cable, fixed installation)

-25 °C ... 80 °C (cable, flexible installation)

[Back to t...](#)

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-3P-M12MR/ 2,0-PVC/M12FR 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.