

## INDUSTRIAL COMPONENT DATA

# SAC-4P-M12MRT/ 10,0-PUR/FRT SH 1415205 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-M12MRT/ 10,0-PUR/FRT SH



|                 |                                |
|-----------------|--------------------------------|
| Manufacturer    | PHOENIX CONTACT                |
| MPN / Reference | SAC-4P-M12MRT/ 10,0-PUR/FRT SH |
| Catalog number  | 1415205                        |
| Category        | Sensor-actuator patch cord     |
| Minimum order   | 1 Pcs                          |
| Document ID     | EO-7790740CC2                  |
| Generated       | 2026-08-04                     |

## Product Overview

Power cable

Power cable, 4-pole halogen-free, shielded (Advanced Shielding Technology), Cranked connector M12, coding: T, to Elbowed Female M12, coding: T, cable length: 10 m, for direct current up to 12 A/63 V

Power cable, 4-position, PUR halogen-free, black RAL 9005, shielded (Advanced Shielding Technology), Plug angled M12, coding: T, on Socket angled M12, coding: T, cable length: 10 m, For direct current up to 12 A/63 V

## 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

Technical dataProduct propertiesProduct type Power cable

Application Power supply

Number of positions 4

No. of cable outlets 1

Shielded yes

Coding T

Data management status

Article revision 06

Insulation characteristics

Overvoltage category III

Degree of pollution 3

Material specifications Flammability rating according to UL 94 V0

Material of grip body PP

Contact material CuZn

Contact surface material Ni/Au

Contact carrier material PA

Material for screw connection Zinc die-cast, nickel-plated

Electrical properties Insulation resistance  $\geq 100 \text{ M}\Omega$

Nominal voltage UN 63 V DC

Nominal current IN 12 A

Mechanical properties Mechanical data

Insertion/withdrawal cycles  $> 100$

Connector Connection 1

Type Plug angled M12

Coding type T (Power)

Connection 2

Type Socket angled M12

Coding type T (Power)

Cable/line Cable length 10 m

PUR halogen-free black [PUR]

Dimensional drawing

Cable weight 133 kg/km

UL AWM Style 20233 / 10493 (80°C/300 V)

Number of positions 4

Shielded yes

Cable type PUR halogen-free black [PUR]

Conductor cross section  $4 \times 1.5 \text{ mm}^2$

Wire diameter incl. insulation 2.4 mm

External cable diameter 9.70 mm  $\pm 0.3 \text{ mm}$

Outer sheath, material PUR

External sheath, color black RAL 9005

Conductor material Bare Cu litz wires

Material wire insulation PP

Single wire, color brown, white, blue, black

Thickness, insulation 1.20 mm (Outer cable sheath)

Overall twist 4 wires optimally twisted

Max. conductor resistance  $\leq 13.3 \text{ m}\Omega/\text{km}$  (at 20 °C)

Insulation resistance  $\geq 10 \text{ M}\Omega \cdot \text{km}$  (at 20 °C)

Nominal voltage, c...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-M12MRT/ 10,0-PUR/FRT SH 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

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.