

**INDUSTRIAL COMPONENT DATA**

# SAC-4P-M12MRT/10,0-PUR/M12FRT 1415199 PHOENIX CONTACT Power cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-4P-M12MRT/10,0-PUR/M12FRT



|                 |                               |
|-----------------|-------------------------------|
| Manufacturer    | PHOENIX CONTACT               |
| MPN / Reference | SAC-4P-M12MRT/10,0-PUR/M12FRT |
| Catalog number  | 1415199                       |
| Category        | Sensor-actuator patch cord    |
| Minimum order   | 1 Pcs                         |
| Document ID     | EO-5087A8D632                 |
| Generated       | 2026-08-05                    |

## Product Overview

Power cable

Power cable, 4-pole halogen-free, 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-gray RAL 7021, 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 > 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 no

Coding T

Data management status

Article revision 08

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 83 kg/km

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

Number of positions 4

Shielded no

Cable type PUR halogen-free black [PUR]

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

Wire diameter incl. insulation  $2.2 \text{ mm} \pm 0.05 \text{ mm}$

External cable diameter  $6.75 \text{ mm} \pm 0.2 \text{ mm}$

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  $\geq 0.26 \text{ mm}$

Thickness, outer sheath approx.  $0.70 \text{ mm}$

Overall twist 4 wires, twisted

Max. conductor resistance  $\leq 14.1 \text{ } \Omega/\text{km}$  (at  $20 \text{ } ^\circ\text{C}$ )

Insulation resistance  $\geq 1 \text{ G}\Omega\cdot\text{km}$  (at  $20 \text{ } ^\circ\text{C}$ )

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-4P-M12MRT/10,0-PUR/M12FRT 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

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