INDUSTRIAL COMPONENT DATA

SAC-5P-100,0-28R RAIL 0,5 1559186 PHOENIX CONTACT By meters, Sensor/actuator cable, shielded, halogen-free P..

Brand: PHOENIX CONTACT | Manufacturer Part Number: SAC-5P-100,0-28R RAIL 0,5

Manufacturer	PHOENIX CONTACT
MPN / Reference	SAC-5P-100,0-28R RAIL 0,5
Catalog number	1559186
Category	Data and communication cable
Minimum order	1 Pcs
Document ID	EO-2E68BEB764
Generated	2026-11-18

Product Overview

By meters, Sensor/actuator cable, shielded, halogen-free PE-X, black, 5-conductor, single conductor color: white 1, white 2, white 3, white 4, white 5, cable length: 100 m, For railway applications
Cable for sensors/actuators

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 dataItem PropertiesProduct Type Data cable by the meter
Number of poles 5
application Railway applications
Shielded Yes
Cable/LineCable length 100 m
RADOX®black, shielded [28R]
Dimension Scheme
Shielded Yes
Cable Weight 70 kg/km
Cable type RADOX®black, shielded
Cable Type (abbreviation) 28R
Cable Outer Diameter 6.2 mm ±0.3 mm
Outer Wrap, Material PE-X

Outer Wrap, Color black
Conductive Material Tinned Cu Conductor
Conductor Construction Signal Cable 19x 0.18 mm
AWG Signal Line 20
Line Section 5x 0.5 mm²
Material: Conductor Insulation PE-X
Conductor diameter incl. insulation 1.43 mm
Single Driver, Color White 1, White 2, White 3, White 4, White 5
Total cabling 5 longitudinally stranded conductors
Screening Tinned Copper Wire Mesh
Nominal Voltage Cable 600 V AC (Conductive-Ground, U)0)
1000 V AC (Conduct-to-Earth, U)
<= 720 V AC (conductive-ground)
<= 1200 V AC (Ground-Conductor, U)m)
<= 900 V DC (Conductive-Ground, V0)
<= 1500 V DC (conductor-conductor)
Test Voltage Cable 3500 V AC (50 Hz, 5 min.)
8400 V DC (50 Hz, 5 min.)
Line Resistance <= 40.1 ?/km
Minimum bending radius, fixed 3 x D
Minimum bending radius, flexibly positioned 4 x D
Fire protection in vehicles on rails BS 6853 (Category Ia, Ib, II)
GM/RT 2130 (Category Ia, Ib, II)
EN 45545 (Hazard Level HL1 - HL3)
DIN 5510 (Fire Protection Level 1, 2, 3, 4)
NF F16-101 (Category A1, A2, B)
NF F16-101 (Class C / F0)
NFPA 130
UNI IEC 11170 (Hazard Level LR1 - LR4)
Absence of halogens according to EN 50267-2-1
Oil Resista...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / SAC-5P-100,0-28R RAIL 0,5 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.