INDUSTRIAL COMPONENT DATA

PSM-CABLE-PROFIB/FC 2744652 PHOENIX CONTACT Bus system cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: PSM-CABLE-PROFIB/FC



Manufacturer	PHOENIX CONTACT
MPN / Reference	PSM-CABLE-PROFIB/FC
Catalog number	2744652
Category	Data and communication cable
Minimum order	1 m.
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Product Overview

Bus system cable
By meters, Bus system cable, PROFIBUS (12 MBit/s), shielded, PVC FR VI/PVC, violet, 2-conductors (1X2XAWG22/1), color single conductors: red, green, cable length: Free input (1.0 ... 1000.0 m)
By the meter, Bus system cable, PROFIBUS (12 Mbps), shielded, PVC FR VI/PVC, violet, 2-wire (1x2xAWG22/1), color single wire: red, green, cable length: Free entry (1.0 ... 1000.0 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

Technical dataProduct propertiesProduct type Data cable by the meter
Sensor type PROFIBUS
Number of positions 2
Shielded yes
Electrical propertiesNominal voltage UN 48 V AC
60 V DC
Transmission medium Copper
InterfacesSignal type/category PROFIBUS, 12 Mbps
Cable/lineCable length Free entry (1.0 ... 1000.0 m)
Cable weight 80 kg/km
UL AWM Style 21694 (60 °C / 600 V)

Wiring standards/regulations Conductor material DIN EN 13602 Cu-ETP-A...
Shielding material DIN EN 13602 Cu-ETP-A...-B
Number of positions 2
Shielded yes
Conductor structure 1x2xAWG22/1
Signal speed 0.81 c
Conductor structure signal line 1x 0.65 mm
AWG signal line 22
Conductor cross section 2x 0.34 mm²
Wire diameter incl. insulation 2.55 mm
External cable diameter 8.00 mm ±0.4 mm
Outer sheath, material PVC FR VI
External sheath, color violet
Conductor material Bare Cu wire
Material wire insulation PE
Single wire, color red, green
Thickness, insulation 0.95 mm
Thickness, outer sheath 0.90 mm
Overall twist 2 wires, twisted
Optical shield covering 55 %
Insulation resistance >= 16 G?*km
Loop resistance <= 110.00 ?/km
Cable capacity approx. 28.5 nF/km (at 1 kHz)
<= 1500 pF/km (asymmetrical: Conductor to ground)
Cable impedance 150 ? ±10 % (3 ... 20 MHz)
185 ? ±10 % (31.25 ... 38.4 kHz)
270 ? ±10 % (9.6 kHz)
Test voltage 3600 V DC (3 s)
Smallest bending radius, fixed installation >= 150 mm
Tensile strength <= 100 N
Shield attenuation <= 42.00 dB/km (at 16 MHz)
<= 22.00 dB (at 4 ?Hz)
<= 4.00 dB (at 38.4 kHz)
<= 2.50 dB (at 9.6 kHz...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PSM-CABLE-PROFIB/FC 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

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