

INDUSTRIAL COMPONENT DATA

NBC-MS/ 3,0-93K/MS SCO 1410689 PHOENIX CONTACT Assembled Sercos III cable, shielded, star quad, 22 AWG stran..

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-MS/ 3,0-93K/MS SCO



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-MS/ 3,0-93K/MS SCO
Catalog number	1410689
Category	Sensor-actuator patch cord
Minimum order	50 Pcs
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Product Overview

Assembled Sercos III cable, shielded, star quad, 22 AWG stranded (7-wire), RAL 3020 (traffic red), M12 plug, SPEEDCON, 4-pos. to M12 plug, SPEEDCON, length: 3 m

Sercos III ready-made cable, shielded, star quadrage, flexible AWG 22 (7 wires), RAL 3020 (traffic red), M12 connector, SPEEDCON, 4 poles in M12 connector, SPEEDCON, length: 3 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 preassembled

Number of positions 4

No. of cable outlets 1

Shielded yes

Insulation characteristics

Overvoltage category II

Degree of pollution 3

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Transmission medium Copper

Mechanical properties
Mechanical dataInsertion/withdrawal cycles ≥ 100

Material specifications Flammability rating according to UL 94 V0

Connector Connection 1

Type Plug straight M12

Connection 2

Type Plug straight M12

Cable/line Cable length 3 m

Sercos III [93K]

Dimensional drawing

Cable weight 68 kg/km

UL AWM Style 21694 (60 °C / 600 V)

Number of positions 4

Shielded yes

Cable type Sercos III [93K]

Conductor structure 1x4xAWG22/7, SF/TQ

Signal runtime 5.3 ns/m

Conductor structure signal line 7x 0.25 mm

AWG signal line 22

Conductor cross section 4x 0.34 mm²

Wire diameter incl. insulation approx. 1.55 mm

External cable diameter 6.50 mm ± 0.2 mm

Outer sheath, material PVC

External sheath, color signal red RAL 3020

Conductor material Tin-plated Cu litz wires

Material wire insulation PE

Single wire, color white, yellow, blue, orange

Thickness, outer sheath approx. 0.90 mm

Type of pair shielding Aluminum-lined polyester foil

Overall twist Star quad

Max. conductor resistance $\leq 120 \text{ } \Omega/\text{km}$ Insulation resistance $\geq 0.5 \text{ G}\cdot\text{km}$ Coupling resistance $\leq 20.00 \text{ m}\Omega/\text{m}$ (at 10 Hz)Wave impedance $100 \text{ } \Omega \pm 15 \text{ } \Omega$ (at 100 MHz)

Nominal voltage, cable 600 V

Test voltage Core/Core 2000 V (50 Hz, 1 min.)

Test voltage Core/Shield 2000.0...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-MS/ 3,0-93K/MS SCO 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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