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
Document ID	EO-B71D39E9E0
Generated	2026-11-19

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 propertiesMechanical data
Insertion/withdrawal cycles >= 100
Material specificationsFlammability rating according to UL 94 V0
ConnectorConnection 1
Type Plug straight M12
Connection 2
Type Plug straight M12
Cable/lineCable 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 <= 120 ?/km
Insulation resistance >= 0.5 G?*km
Coupling resistance <= 20.00 m?/m (at 10 Hz)
Wave impedance 100 ? ±15 ? (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

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.