

INDUSTRIAL COMPONENT DATA

NBC-M12MSX/ 0,3-94F/R4AC 1002933 PHOENIX CONTACT

Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12MSX/ 0,3-94F/R4AC



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12MSX/ 0,3-94F/R4AC
Catalog number	1002933
Category	Sensor-actuator patch cord
Minimum order	25 Pcs
Document ID	EO-7F69655FA9
Generated	2026-08-04

Product Overview

Network cable

Network cable, Ethernet CAT6A (10 GBit/s), CC-Link IE CAT6A (10 GBit/s), 8-pole halogen-free, shielded (Advanced Shielding Technology), M12 straight connector, encoding: X / IP67, a RJ45 / IP20 straight connector, cable length: 0.3 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

Key Commercial Data

Orderkey 1002933

Packing unit 1

GTIN 4055626465395

Custom tariff number 85444290

Dimensions

Length of cable 0.3 m

Ambient conditions

Degree of protection IP65 (M12 connector)

IP67 (M12 connector)

IP20 (RJ45 connector)

Ambient temperature (operation) -25 °C ... 90 °C (M12 connector)

-20 °C ... 70 °C (RJ45 connector)

General data

Rated current at 40°C 0.5 A

Rated voltage 48 V AC

60 V DC

Number of positions 8

Signal type/category Ethernet CAT6A, 10 Gbps

CC-Link IE CAT6A, 10 Gbps

Standards/regulations M12 connector IEC 61076-2-109

Contact material CuSn

Contact carrier material PP

Contact surface material Ni/Au

Housing material Plastic

Characteristics head 1

Head type Plug straight M12 SPEEDCON / IP67

No. of positions (pin connector pattern) 8

Color black

Material (component) Ni/Au (Contact surface)

PP (Contact carriers)

TPU, hardly inflammable, self-extinguishing (Grip)

Insulation resistance $\geq 100 \text{ M}\Omega$ **Standards and Regulations**

Standard designation M12 connector

Standards/regulations IEC 61076-2-109

Cable

Cable type Ethernet 10 Gbit

Cable type (abbreviation) 94F

UL AWM style 20963 (80°C/30 V)

Signal type/category Ethernet CAT6A, 10 Gbps

Cable structure 4x2xAWG26/7; S/FTP

Conductor cross section 4x 2x 0.14 mm²

AWG signal line 26

Conductor structure signal line 7x 0.16 mm

Core diameter including insulation 1.04 mm

Wire colors white/blue-blue, white/orange-orange, white/green-green, white/brown-brown

Twisted pairs 2 cores to the pair

Type of pair shielding Aluminu...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12MSX/ 0,3-94F/R4AC 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.