

INDUSTRIAL COMPONENT DATA

NBC-M12MRXC2/ 2,5-94F/R4AC 1578911 PHOENIX CONTACT

Network cable, CAT6A Ethernet CAT6A (10 GBit/s), 8-poles,..

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12MRXC2/ 2,5-94F/R4AC



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-M12MRXC2/ 2,5-94F/R4AC
Catalog number	1578911
Category	Sensor-actuator patch cord
Minimum order	25 Pcs
Document ID	EO-D0CC98605A
Generated	2026-08-03

Product Overview

Network cable, CAT6A Ethernet CAT6A (10 GBit/s), 8-poles, M12 angled connector, encoding: X, a Straight RJ45 / IP20 connector, cable length: 2.5 m, C2 coding

Network cable

Network cable, Ethernet CAT6A CAT6A (10 Gbps), 8-position, Plug angled M12, coding: X, on Plug straight RJ45 / IP20, cable length: 2.5 m, C2 coding

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

Sensor type Ethernet

Number of positions 8

No. of cable outlets 1

Shielded yes

Coding X

InterfacesSignal type/category Ethernet CAT6A

Electrical propertiesNominal voltage UN 48 V AC

60 V DC

Nominal current IN 0.5 A

Transmission characteristics (category) CAT6A

ConnectorConnection 1

Type Plug angled M12

Number of positions 8

Coding type X (Data)

Material CuZn (Contact)

Ni/Au (Contact surface)

PP (Contact carriers)

TPU, hardly inflammable, self-extinguishing (Grip)

Zinc die-cast, nickel-plated (Screw connection)

Connection 2

Type Plug straight RJ45 / IP20

Number of positions 8

Material CuSn (Contact)

Ni/Au (Contact surface)

PC (Contact carriers)

PA (Housing)

Degree of protection IP20

Cable/lineCable length 2.5 m

Ethernet 10 Gbit [94F]

Dimensional drawing

Shielded yes

UL AWM Style 20963 (80°C/30 V)

Cable weight 42 kg/km

Cable type Ethernet 10 Gbit

Short symbol 02YSC11Y

Cable type (abbreviation) 94F

Signal type/category Ethernet CAT6A, 10 Gbps

Cable structure 4x2xAWG26/7; S/FTP

External cable diameter 6.4 mm ±0.2 mm

Outer sheath, material PUR

External sheath, color water blue RAL 5021

Thickness, outer sheath 0.65 mm

Conductor material Bare Cu litz wires

Conductor structure signal line 7x 0.16 mm

AWG signal line 26

Conductor cross section 4x 2x 0.14 mm²

Material wire insulation Foamed PE

Wire diameter incl. insulation 1.04 mm

Single wire, color white/blue-blue, white/orange-orange, white/green-green, white/brown...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12MRXC2/ 2,5-94F/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.