

**INDUSTRIAL COMPONENT DATA**

# NBC-M12MRXC2/ 1,0-94F/R4AC 1578901 PHOENIX CONTACT

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

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-M12MRXC2/ 1,0-94F/R4AC



|                 |                            |
|-----------------|----------------------------|
| Manufacturer    | PHOENIX CONTACT            |
| MPN / Reference | NBC-M12MRXC2/ 1,0-94F/R4AC |
| Catalog number  | 1578901                    |
| Category        | Sensor-actuator patch cord |
| Minimum order   | 25 Pcs                     |
| Document ID     | EO-F4A8DB8123              |
| Generated       | 2026-08-02                 |

### Product Overview

Network cable, CAT6A Ethernet CAT6A (10 GBit/s), 8-pole, shielded (Advanced Shielding Technology), M12 angled connector, encoding: X, a Straight RJ45 / IP20 connector, cable length: 1 m, C2 coding

Network cable

**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 dataItem PropertiesProduct Type Ready-made data cable

Sensor Type Ethernet

Number of poles 8

Number of Cable Outlets 1

Shielded Yes

Codification X

InterfacesSignal Type/Category Ethernet CAT6to

Electrical PropertiesNominal voltage UN 48 V AC

60 V DC

Nominal Current IN 0.5 A

Transmission Characteristics (Category) CAT6to

ConnectorsConnection 1

Construction M12 Angled Connector

Number of poles 8  
Encoding Type X (Data)  
Material CuZn (Contact)  
Ni/Au (Surface Contacts)  
PP (Contact Support)  
TPU, low flammable, self-extinguishing (Grip body)  
Zinc die-casting, nickel-plated (Screw connection)  
Connection 2  
Construction RJ45 / IP20 straight connector  
Number of poles 8  
Material CuSn (Contact)  
Ni/Au (Surface Contacts)  
PC (Contacts Support)  
PA (Housing)  
Protection Index IP20  
Cable/LineCable length 3 /  
Ethernet 10 GBit [94F]  
Dimension Scheme  
Shielded Yes  
UL AWM Style 20963 (80 °C / 30 V)  
Cable Weight 42 kg/km  
Cable type Ethernet 10 GBit  
Abbreviation 02YSC11Y  
Cable Type (abbreviation) 94F  
Signal Type/Category Ethernet CAT6to, 10 GBit/s  
Cable Structure 4x2xAWG26/7; S/FTP  
Cable Outer Diameter 6.4 mm ±0.2 mm  
Outer Wrap, Material PUR  
Outer Wrap, Color aqua blue RAL 5021  
Wall Thickness Outer Wrap 0.65 mm  
Conductive Material Naked Cu Conductor  
Conductor Construction Signal Cable 7x 0.16 mm  
AWG Signal Line 26  
Line Section 4x 2x 0.14 mm<sup>2</sup>  
Material: Conductor Insulation Foamed PE  
Conductor diameter incl. insulation 1.04 mm  
Single Driver, Color white/blue-blue, white/orange-orange, white/gr...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-M12MRXC2/ 1,0-94F/R4AC with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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