

## INDUSTRIAL COMPONENT DATA

## NBC-100,0-94S 1423514 PHOENIX CONTACT Network cable

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-100,0-94S



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | NBC-100,0-94S                |
| Catalog number  | 1423514                      |
| Category        | Data and communication cable |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-4B448A29D1                |
| Generated       | 2026-08-03                   |

## Product Overview

Network cable

Network cable, CAT7 Ethernet (10 GBit/s), 8-pole, cable length: 100 m, For railway applications

## STRUCTURED PRODUCT DATA

## Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

## Classification &amp; Catalog Path

Catalog path PHOENIX CONTACT &gt; Industrial Field Connectivity (IFC)

## Additional Product Information

Key Commercial Data

Orderkey 1423514

Packing unit 1 pc

Note Made to Order (non-returnable)

GTIN 4055626346007

Weight per Piece (excluding packing) 5,773.000 g

Custom tariff number 85444995

Country of origin DE (Germany)

Dimensions

Length of cable 100 m

General data

Rated voltage 30 V AC

30 V DC

Number of positions 8

Signal type/category Ethernet CAT7, 10 Gbps

**Cable**

Cable type Ethernet for rail applications

Cable type (abbreviation) 94S

Signal type/category Ethernet CAT7, 10 Gbps

Cable structure 4x2xAWG26/7; S/FTP

Conductor cross section 4x 2x 0.14 mm<sup>2</sup>

AWG signal line 26

Conductor structure signal line 7x 0.16 mm

Core diameter including insulation 1.05 mm ±0.1 mm

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

Twisted pairs 2 cores to the pair

Type of pair shielding Aluminum-lined polyester foil

Overall twist 4 pairs, twisted

Shielding Tinned copper braided shield

External sheath, color black

External cable diameter D 6.6 mm ±0.2 mm

Minimum bending radius, fixed installation 6 x D

Tensile strength GRP ≤ 60 N (temporary)

≤ 15 N (Permanent)

Cable weight 59 kg/km

Copper weight 28 kg/km

Outer sheath, material PE-X

Material conductor insulation Cell PE

Conductor material Tin-plated Cu litz wires

Insulation resistance ≥ 5 G?·km

Conductor resistance ≤ 145 ?/km

Working capacitance 44 nF (per kilometer)

Wave impedance 100 ? ±5 ? (at 100 MHz)

Near end crosstalk attenuation (NEXT) 100 dB (with 1 MHz)

99 dB (at 10 MHz)

95 dB (at 100 MHz)

92 dB (at 200 MHz)

90 dB (at 250 MHz...)

**REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW**

Send PHOENIX CONTACT / NBC-100,0-94S 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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