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-E2EF6EB0F3
Generated	2026-11-18

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 & Catalog Path

Catalog path	PHOENIX CONTACT > 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 mm²
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 MH...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

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