INDUSTRIAL COMPONENT DATA

NBC-500,0-94E 1408572 PHOENIX CONTACT Cable ring, bus system cable, Ethernet, 8-wire, shielded, FRNC, blue o..

Brand: PHOENIX CONTACT | Manufacturer Part Number: NBC-500,0-94E



Manufacturer	PHOENIX CONTACT
MPN / Reference	NBC-500,0-94E
Catalog number	1408572
Category	Data and communication cable
Minimum order	1 Pcs
Document ID	EO-BC23A0F63B
Generated	2026-11-18

Product Overview

Cable ring, bus system cable, Ethernet, 8-wire, shielded, FRNC, blue outer sheath, 4 x 2 x AWG 23/1, cable length: 500 m
Cable ring, CAT7 Ethernet (10 GBit/s), 8-pole halogen-free, shielded, cable length: 500 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 1408572
Packing unit 1
GTIN 4046356826396
Custom tariff number 85444995
Drawings
General data
Environmental Product Compliance
Dimensions
Cable
Classifications
Drawings
Cable cross section
Ethernet [94E]

Back to topDimensions
Length of cable 500 m
Back to topGeneral data
Rated voltage 30 V AC
30 V DC
Number of positions 8
Signal type/category Ethernet CAT7, 10 Gbps
Back to topCable
Cable type Ethernet
Cable type (abbreviation) 94E
UL AWM style 10797 (80°C/30 V)
Signal type/category Ethernet CAT7, 10 Gbps
Cable structure 4x2xAWG23/1; S/FTP
Conductor cross section 4x 2x 0.3 mm²
AWG signal line 23
Conductor structure signal line 1x
Core diameter including insulation 1.45 mm ±0.05 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 Aluminum-lined polyester foil, tinned copper braided shield
Optical shield covering 65 %
External sheath, color water blue RAL 5021
External cable diameter D 8 mm ±0,3 mm
Smallest bending radius, fixed installation 30 mm
Smallest bending radius, movable installation 60 mm
Tensile strength GRP 80 N
Cable weight 55 kg/km
Copper weight 32.8 kg/km
Outer sheath, material FRNC
Material conductor insulation Foamed PE
Conductor material Bare Cu wire
Insulation resistance > 5 G?*km
Conductor resistance < 75 ?/km
Cable capacity < 56 nF/km
Wave impedance 100 ? ±5 ? (at 100 MHz)
Signal speed 0.6...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / NBC-500,0-94E 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

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