

# NBC-COX-CNM/0.5-M/COX-CNM - Coaxial cable



1340122

<https://www.phoenixcontact.com/us/products/1340122>

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Coaxial cable, 50  $\Omega$ , length: 0.5 m, N(m) - N(m), external cable diameter: 4.9 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 0.2 dB, 2.4 GHz 0.4 dB, 5.8 GHz 0.7 dB, 7.25 GHz 0.8 dB

## Your advantages

- Future-proof, thanks to the use of lead-free materials
- Ideal for WLAN, Bluetooth, LTE, and 5G signals
- The frequency range up to 7.25 GHz enables the use of high Wi-Fi 6 and 5G frequency bands
- Use of UV-resistant LSZH cable enables use in virtually all industrial field communication applications

## Commercial data

Item number	1340122
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	DNC6Z4
GTIN	4063151646158
Weight per piece (including packing)	85.8 g
Weight per piece (excluding packing)	85.8 g
Customs tariff number	85442000
Country of origin	DE

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## Technical data

### Product properties

Product type	Coaxial cable
Type	Coaxial
Number of positions	1
Connection profile	N(m)
Type of packaging	PE bag
Shielded	yes
Cable outlet	straight
Thread type	SMA

### Electrical properties

Rated surge voltage	1 kV <sub>rms</sub> (AC)
Frequency range	0.1 GHz ... 7.25 GHz
Insulation resistance	≥ 5 GΩ (In accordance with environmental tests Riso ≥200 MΩ)
Contact resistance	≤ 1.5 mΩ (N male)
Wave impedance	50 Ω
Max. conductor resistance	23 Ω/km

### Output data

Transmission frequency	10.00 Hz
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### Connection data

Connection method	N (male)
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### Material specifications

Flammability rating according to UL 94	ja
Housing material	CuZn
Housing surface material	CuSnZn3
Contact material	CuZn
Contact surface material	Cu2Ag5
O-ring material	Silicon
Outer sheath, material	FRNC
Conductor material	Copper

### Connector

#### Connection 1

Type	Plug straight Coaxial N
Locking type	Screw locking mechanism
Shielded	yes
Material	Copper alloy (Housing)
	CuSnZn3 (Housing surface)

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	Silicon (O-ring)
	Copper alloy (Contact)
	Cu2Ag5 (Contact surface)
	PTFE (Insulation)
Insertion/withdrawal cycles	> 100
Tightening torque	0.7 Nm ... 1.1 Nm
Degree of protection	IP65/IP67

## Connection 2

Type	Plug straight Coaxial N
Locking type	Screw locking mechanism
Shielded	yes
Material	Copper alloy (Housing material)
	CuSnZn3 (Housing surface)
	Silicon (O-ring)
	Copper alloy (Contact)
	Cu2Ag5 (Contact surface)
	PTFE (Insulation)
Insertion/withdrawal cycles	100
Tightening torque	0.7 Nm ... 1.1 Nm
Degree of protection	IP65/IP67

## Cable/line

Cable length	0.50 m
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## Coaxial, 4.9 mm, FRNC, 50 Ω [Koaxial]

Cable type	Coaxial, 4.9 mm, FRNC, 50 Ω
Cable type (abbreviation)	Koaxial
External cable diameter	4.90 mm
Outer sheath, material	FRNC
External sheath, color	black

## FO cable

Attenuation	0.23 dB (800 MHz)
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	100
Insertion force per signal contact	≤ 0.56 N (Internal contact)
Smallest bending radius	19,6 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

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Ambient temperature (assembly)	-5 °C ... 55 °C
Resistance to UV radiation	yes

## Standards and regulations

Flame resistance	yes
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## Classifications

### ECLASS

ECLASS-13.0	27060310
ECLASS-15.0	27060310

### ETIM

ETIM 10.0	EC001682
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	1.93 kg CO2e
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