

# NBC-COX-CNM/5.0-L/COX-CNM - Coaxial cable



1340124

<https://www.phoenixcontact.com/us/products/1340124>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Coaxial cable, 50  $\Omega$ , length: 5 m, N(m) - N(m), external cable diameter: 10.3 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 0.8 dB, 2.4 GHz 1.4 dB, 5.8 GHz 2.2 dB, 7.25 GHz 2.5 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	1340124
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	DNC6Z4
GTIN	4063151645694
Weight per piece (including packing)	644.4 g
Weight per piece (excluding packing)	644 g
Customs tariff number	85442000
Country of origin	DE

1340124

<https://www.phoenixcontact.com/us/products/1340124>

## Technical data

### Product properties

Product type	Coaxial cable
Type	Coaxial
Number of positions	1
Type of packaging	PE bag
Shielded	yes
Cable outlet	straight

### 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)
Wave impedance	50 Ω
Max. conductor resistance	4.5 Ω/km

### Connection data

Tightening torque	0.7 ... 1.1 Nm
-------------------	----------------

### Material specifications

Flammability rating according to UL 94	ja
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)
	Silicon (O-ring)
	Copper alloy (Contact)
	Cu2Ag5 (Contact surface)
	PTFE (Insulation)

#### 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)

# NBC-COX-CNM/5.0-L/COX-CNM - Coaxial cable



1340124

<https://www.phoenixcontact.com/us/products/1340124>

	Cu2Ag5 (Contact surface)
	PTFE (Insulation)

## Cable/line

Cable length	5.00 m
--------------	--------

Coaxial, 10.3 mm, FRNC, 50 Ω [Koaxial]

Cable type	Coaxial, 10.3 mm, FRNC, 50 Ω
Cable type (abbreviation)	Koaxial
External cable diameter	10.30 mm
Outer sheath, material	FRNC
External sheath, color	black

## Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100
Smallest bending radius	4x cable diameter

## Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-5 °C ... 55 °C
Resistance to UV radiation	yes

## Standards and regulations

Flame resistance	yes
------------------	-----

Flame retardancy

Standard designation	Flame retardancy
Standards/specifications	IEC 60332-3-24

Halogen-free

Standard designation	Halogen-free
Standards/specifications	IEC 60754-2

UL

Standard designation	AWM Style
Standards/specifications	UL 1375
Note	80 °C / 30 V

Connectors

Standard designation	HF connector
Standards/specifications	IEC 61169-16
Note	Pin connector pattern N

1340124

<https://www.phoenixcontact.com/us/products/1340124>

## Classifications

### ECLASS

ECLASS-13.0	27060310
ECLASS-15.0	27060310

### ETIM

ETIM 10.0	EC001682
-----------	----------

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

1340124

<https://www.phoenixcontact.com/us/products/1340124>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	13.477 kg CO2e
---------	----------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)