

# NBC-COX-CNM/5.0-M/COX-CLM - Coaxial cable



1340137

<https://www.phoenixcontact.com/us/products/1340137>

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) - RSMA(m), external cable diameter: 4.9 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 2.3 dB, 2.4 GHz 3.8 dB, 5.8 GHz 6 dB, 7.25 GHz 7.3 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	1340137
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	ABNFCA
GTIN	4063151646042
Weight per piece (including packing)	234.3 g
Weight per piece (excluding packing)	234.3 g
Customs tariff number	85442000
Country of origin	DE

1340137

<https://www.phoenixcontact.com/us/products/1340137>

## Technical data

### Product properties

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

### Electrical properties

Frequency range	0 Hz ... 7.25 Hz
Insulation resistance	≥ 5 GΩ (In accordance with environmental tests Riso ≥200 MΩ)
Wave impedance	50 Ω
Max. conductor resistance	23 Ω/km

### Mechanical properties

#### Mechanical data

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

### Material specifications

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

### Connector

#### Connection 1

Type	Plug straight Coaxial N
Locking type	Screw locking mechanism
Shielded	yes
Insertion/withdrawal cycles	> 100
Degree of protection	IP65/IP67

#### Connection 2

Type	Plug straight Coaxial R-SMA
Locking type	Screw locking mechanism
Shielded	yes

# NBC-COX-CNM/5.0-M/COX-CLM - Coaxial cable



1340137

<https://www.phoenixcontact.com/us/products/1340137>

Material	Copper alloy (Housing)
	NiP-Au (Housing surface)
	Silicon (O-ring)
	Copper alloy (Contact)
	NiP-Au
	PTFE (Insulation)
Insertion/withdrawal cycles	100
Degree of protection	IP65/IP67

## Cable/line

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

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	2.25 dB (800 MHz)
-------------	-------------------

## Environmental and real-life conditions

Test specification

Specification	DIN EN 60966-1
Contact resistance $R_1$	2.50 mΩ
Insulation resistance, neighboring contacts	5 GΩ
Power-frequency withstand voltage	1000.00 V AC

Test specification

Specification	DIN EN 60512-3-1
---------------	------------------

Test specification

Specification	DIN EN 60512-4-1
Cold stress	DIN EN 60068-2-14 Test Na
Corrosive stress	yes, in accordance with ISO 22479

Test specification

Specification	DIN EN 60068-2-6
Frequency	10-2000-10 Hz
Sweep speed	1 octave/min
Amplitude	0.75 mm
Acceleration	100.00 m/s <sup>2</sup>
Test duration	2.50 h

Test specification

# NBC-COX-CNM/5.0-M/COX-CLM - Coaxial cable



1340137

<https://www.phoenixcontact.com/us/products/1340137>

Specification	DIN EN 60068-2-27
Frequency	40 bis 65 Hz
Acceleration	500.00 m/s <sup>2</sup>
Number of shocks per direction	18.00
Measuring time	60 s ± 5
Quality confirmation	5 s
Voltage frequency	45 Hz to 60 Hz
Maximum voltage build-up	≤ 500 V/s

## 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

Resistance to UV radiation	yes
Flame resistance	yes

# NBC-COX-CNM/5.0-M/COX-CLM - Coaxial cable



1340137

<https://www.phoenixcontact.com/us/products/1340137>

## Classifications

### ECLASS

ECLASS-11.0	27060310
ECLASS-12.0	27060310
ECLASS-13.0	27060310

### ETIM

ETIM 9.0	EC001682
----------	----------

# NBC-COX-CNM/5.0-M/COX-CLM - Coaxial cable



1340137

<https://www.phoenixcontact.com/us/products/1340137>

## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e No hazardous substances above threshold values
------------	---

Phoenix Contact 2024 © - 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)