

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



1340137

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

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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

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## 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
Shielded	yes
Insertion/withdrawal cycles	> 100
Degree of protection	IP65/IP67
Number of positions	1
Insertion/withdrawal cycles	100
Locking type	Screw locking mechanism

#### Connection 2

Type	Plug straight Coaxial R-SMA
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Shielded	yes
Material	Copper alloy (Housing)
	(Housing surface)
	Silicon (O-ring)
	Copper alloy (Contact)
	PTFE (Insulation)
Insertion/withdrawal cycles	100
Number of positions	1
Degree of protection	IP65/IP67
Locking type	Screw locking mechanism

## Cable/line

Cable length	5.00 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	4.9 mm
Outer sheath, material	FRNC
External sheath, color	black

FO cable

Attenuation	2.25 dB (800 MHz)
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## Environmental and real-life conditions

Test specification

Specification	DIN EN 60966-1
Contact resistance $R_1$	2.5 mΩ
Insulation resistance, neighboring contacts	5 GΩ
Power-frequency withstand voltage	1000 V AC

Test specification

Specification	DIN EN 60512-3-1
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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 m/s <sup>2</sup>
Test duration	2.5 h

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## Test specification

Specification	DIN EN 60068-2-27
Frequency	40 bis 65 Hz
Acceleration	500 m/s <sup>2</sup>
Number of shocks per direction	18
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

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001682
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Environmental product compliance

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

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