

# NBC-COX-CNM/3.0-M/COX-CKM - Coaxial cable



1340144

<https://www.phoenixcontact.com/us/products/1340144>

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Coaxial cable, 50  $\Omega$ , length: 3 m, N(m) - SMA(m), external cable diameter: 4.9 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 1.4 dB, 2.4 GHz 2.3 dB, 5.8 GHz 3.6 dB, 7.25 GHz 4.2 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	1340144
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	DNC6Z4
GTIN	4063151644994
Weight per piece (including packing)	157.1 g
Weight per piece (excluding packing)	157 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
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	23 Ω/km

### Connection data

Tightening torque	0.7 ... 1.1 Nm
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### 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 SMA
Locking type	Screw locking mechanism
Shielded	yes
Material	Copper alloy (Housing)
	NiP-Au (Housing surface)
	Silicon (O-ring)
	Copper alloy (Contact)

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	NiP-Au (Contact surface)
	PTFE (Insulation)

## Cable/line

Cable length	3.00 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	4.90 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
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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

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## Connectors

Standard designation	HF connector
Standards/specifications	IEC 61169-15
Note	Pin connector pattern SMA

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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	5.396 kg CO2e
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