

# NBC-COX-CKM/10.0-M/COX-CKF - Coaxial cable



1340148

<https://www.phoenixcontact.com/us/products/1340148>

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Coaxial cable, 50  $\Omega$ , length: 10 m, SMA(m) - SMA(f), external cable diameter: 4.9 mm, transmission frequency:  $\leq 7.25$  GHz, typical attenuation: 800 MHz 4.5 dB, 2.4 GHz 7.5 dB, 5.8 GHz 12 dB, 7.25 GHz 14 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	1340148
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	ABNFCA
GTIN	4063151646059
Weight per piece (including packing)	396.3 g
Weight per piece (excluding packing)	396.3 g
Customs tariff number	85442000
Country of origin	DE

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## Technical data

### Product properties

Product type	Data cable preassembled
Number of positions	1
Type of packaging	PE bag
Shielded	yes

### Electrical properties

Insulation resistance	$\geq 5 \text{ G}\Omega$ (In accordance with environmental tests Riso $\geq 200 \text{ M}\Omega$ )
Wave impedance	50 $\Omega$
Max. conductor resistance	23 $\Omega/\text{km}$

### Mechanical properties

#### Mechanical data

Smallest bending radius	4x cable diameter
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### 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 SMA
Locking type	Screw locking mechanism
Shielded	yes
Insertion/withdrawal cycles	> 100
Degree of protection	IP65/IP67

#### Connection 2

Type	Socket 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)
Insertion/withdrawal cycles	100
Degree of protection	IP65/IP67

## Cable/line

Cable length	10.00 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

FO cable

Attenuation	4.5 dB (800 MHz)
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## Environmental and real-life conditions

Test specification

Specification	DIN EN 60966-1
Contact resistance $R_c$	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
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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	100.00 m/s <sup>2</sup>
Test duration	2.50 h

Test specification

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

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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 9.0	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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