

NBC-COX-CNM/0.5-M/COX-CNM - Coaxial cable



1340122

<https://www.phoenixcontact.com/us/products/1340122>

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 Ω, length: 0.5 m, N(m) - N(m), external cable diameter: 4.9 mm, transmission frequency: ≤7.25 GHz, typical attenuation: 800 MHz 0.2 dB, 2.4 GHz 0.4 dB, 5.8 GHz 0.7 dB, 7.25 GHz 0.8 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	1340122
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	ABNFCA
GTIN	4063151646158
Weight per piece (including packing)	85.8 g
Weight per piece (excluding packing)	85.8 g
Customs tariff number	85442000
Country of origin	DE

Technical data

Product properties

Product type	Data cable preassembled
Type	Coaxial
Number of positions	1
Connection profile	N(m)
Type of packaging	PE bag
Shielded	yes
Cable outlet	straight
Thread type	SMA

Electrical properties

Rated surge voltage	1 kV _{rms} (AC)
Frequency range	0.1 GHz ... 7.25 GHz
Insulation resistance	≥ 5 GΩ (In accordance with environmental tests Riso ≥200 MΩ)
Contact resistance	≤ 1.5 mΩ (N male)
Wave impedance	50 Ω
Max. conductor resistance	23 Ω/km

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	100
Insertion force per signal contact	≤ 0.56 N (Internal contact)
Smallest bending radius	19,6 mm

Material specifications

Flammability rating according to UL 94	ja
Housing material	CuZn
Housing surface material	CuSnZn3
Contact material	CuZn
Contact surface material	Cu2Ag5
O-ring material	Silicon
Outer sheath, material	FRNC
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)

1340122

<https://www.phoenixcontact.com/us/products/1340122>

	Silicon (O-ring)
	Copper alloy (Contact)
	Cu2Ag5 (Contact surface)
	PTFE (Insulation)
Insertion/withdrawal cycles	> 100
Tightening torque	0.7 Nm ... 1.1 Nm
Degree of protection	IP65/IP67

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)
	Cu2Ag5 (Contact surface)
	PTFE (Insulation)
Insertion/withdrawal cycles	100
Tightening torque	0.7 Nm ... 1.1 Nm
Degree of protection	IP65/IP67

Cable/line

Cable length	0.50 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	0.23 dB (800 MHz)
-------------	-------------------

Environmental and real-life conditions

Test specification

Specification	DIN EN 60966-1
Contact resistance R_1	1.00 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

NBC-COX-CNM/0.5-M/COX-CNM - Coaxial cable



1340122

<https://www.phoenixcontact.com/us/products/1340122>

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 ²
Test duration	2.50 h

Test specification

Specification	DIN EN 60068-2-27
Frequency	40 bis 65 Hz
Acceleration	500.00 m/s ²
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

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

1340122

<https://www.phoenixcontact.com/us/products/1340122>

Classifications

ECLASS

ECLASS-13.0	27060310
ECLASS-15.0	27060310

ETIM

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

UNSPSC

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

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%