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

1340122

https://www.phoenixcontact.com/in/products/1340122

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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	ABN
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

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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)

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	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

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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/s²
Test duration	2.50 h

Test specification

Specification	DIN EN 60068-2-27
Frequency	40 bis 65 Hz
Acceleration	500.00 m/s²
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

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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

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%

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