NBC-COX-CNB/0.5-S/COX-CKM - Coaxial cable

1340138

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Coaxial cable, 50 Ω, length: 0.5 m, N(f) BH - SMA(m), external cable diameter: 2.8 mm, transmission frequency: ≤7.25 GHz, typical attenuation: 800 MHz 0.4 dB, 2.4 GHz 0.7 dB, 5.8 GHz 1.1 dB, 7.25 GHz 1.5 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	1340138
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB14
Product key	ABNFCA
GTIN	4063151646165
Weight per piece (including packing)	59.3 g
Weight per piece (excluding packing)	59.3 g
Customs tariff number	85442000
Country of origin	DE

Technical data

Product properties

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

Electrical properties

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	90 Ω/m

Material specifications

Flammability rating according to UL 94	ja
Housing material	CuZn
Housing surface material	NiP-Au
Contact material	CuZn
Contact surface material	Cu2Ag5
O-ring material	Silicon
Outer sheath, material	FRNC
Conductor material	Copper

Connector

Connection 1

Type	Flush-type female connector 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)
Insertion/withdrawal cycles	> 100
Degree of protection	IP65/IP67

Connection 2

Type	Plug straight Coaxial SMA
Locking type	Screw locking mechanism
Shielded	yes
	Copper alloy (Housing)

Material	NiP-Au (Housing surface)
	Silicon (O-ring)
	Copper alloy (Contact)
	NiP-Au (Contact surface)
	PTFE (Insulation)
Insertion/withdrawal cycles	100
Degree of protection	IP65/IP67

Cable/line

Cable length	0.50 m

Coaxial, 2.8 mm, FRNC, 50 Ω [Koaxial]

Cable type	Coaxial, 2.8 mm, FRNC, 50 Ω
Cable type (abbreviation)	Koaxial
External cable diameter	2.80 mm
Outer sheath, material	FRNC
External sheath, color	black

FO cable

Attenuation	0.4 dB (800 MHz)

Environmental and real-life conditions

Test specification

Specification	DIN EN 60966-1
Contact resistance R_1	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

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/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

Resistance to UV radiation	yes

Standards and regulations

Flame resistance	yes

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC001682

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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