

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



1340129

<https://www.phoenixcontact.com/us/products/1340129>

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Coaxial cable, 50 Ω , length: 0.5 m, N(f) BH - RSMA(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 | 1340129 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB14 |
| Product key | ABNFCA |
| GTIN | 4063151646028 |
| Weight per piece (including packing) | 58.2 g |
| Weight per piece (excluding packing) | 58.2 g |
| Customs tariff number | 85442000 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|-------------------------|
| Type | Coaxial |
| Product type | Data cable preassembled |
| Number of positions | 1 |
| Type of packaging | PE bag |
| Shielded | yes |
| Cable outlet | straight |

Electrical properties

| | |
|---------------------------|--|
| 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 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 | 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 R-SMA |
| Locking type | Screw locking mechanism |
| Shielded | yes |

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| | |
|-----------------------------|--------------------------|
| Material | Copper alloy (Housing) |
| | 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 | 1.00 mΩ |
| Insulation resistance, neighboring contacts | 5 GΩ |
| Power-frequency withstand voltage | 2500.00 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/s ² |
| Test duration | 2.50 h |

Test specification

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| | |
|--------------------------------|-------------------------|
| 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

| | |
|----------------------------|-----|
| 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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