

NBC-COX-CNM/3.0-M/COX-CKM - Coaxial cable



1340144

<https://www.phoenixcontact.com/us/products/1340144>

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Coaxial cable, 50 Ω , length: 3 m, N(m) - SMA(m), external cable diameter: 4.9 mm, transmission frequency: ≤ 7.25 GHz, typical attenuation: 800 MHz 1.4 dB, 2.4 GHz 2.3 dB, 5.8 GHz 3.6 dB, 7.25 GHz 4.2 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 | 1340144 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB14 |
| Product key | DNC6Z4 |
| GTIN | 4063151644994 |
| Weight per piece (including packing) | 157.1 g |
| Weight per piece (excluding packing) | 157 g |
| Customs tariff number | 85442000 |
| Country of origin | DE |

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Technical data

Product properties

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

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) |
| Wave impedance | 50 Ω |
| Max. conductor resistance | 23 Ω/km |

Connection data

| | |
|-------------------|----------------|
| Tightening torque | 0.7 ... 1.1 Nm |
|-------------------|----------------|

Material specifications

| | |
|--|--------|
| Flammability rating according to UL 94 | ja |
| 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) |
| | Silicon (O-ring) |
| | Copper alloy (Contact) |
| | Cu2Ag5 (Contact surface) |
| | PTFE (Insulation) |

Connection 2

| | |
|--------------|---------------------------|
| Type | Plug 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) |

Cable/line

| | |
|--------------|--------|
| Cable length | 3.00 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 |

Mechanical properties

Mechanical data

| | |
|-----------------------------|-------------------|
| Insertion/withdrawal cycles | > 100 |
| Smallest bending radius | 4x cable diameter |

Environmental and real-life conditions

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

Flame retardancy

| | |
|--------------------------|------------------|
| Standard designation | Flame retardancy |
| Standards/specifications | IEC 60332-3-24 |

Halogen-free

| | |
|--------------------------|--------------|
| Standard designation | Halogen-free |
| Standards/specifications | IEC 60754-2 |

UL

| | |
|--------------------------|-------------------------|
| Standard designation | AWM Style |
| Standards/specifications | UL 1375 |
| Note | 80 °C / 30 V |
| Standard designation | HF connector |
| Standards/specifications | IEC 61169-16 |
| Note | Pin connector pattern N |
| Standard designation | HF connector |
| Standards/specifications | IEC 61169-15 |

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| Note | |
|------|--|
|------|--|

| | |
|--|---------------------------|
| | Pin connector pattern SMA |
|--|---------------------------|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27060310 |
| ECLASS-15.0 | 27060310 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001682 |
|-----------|----------|

UNSPSC

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

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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% |
|-------------------------------------|----------------------------|

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 5.396 kg CO2e |
|---------|---------------|

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