

# 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  $\Omega$ , length: 3 m, N(m) - SMA(m), external cable diameter: 4.9 mm, transmission frequency:  $\leq 7.25$  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 <sub>rms</sub> (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                       |

FO cable

|             |                  |
|-------------|------------------|
| Attenuation | 1.4 dB (800 MHz) |
|-------------|------------------|

## 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 |
|------------------|-----|

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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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