

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Patch cable, degree of protection: IP20, cable length: 0.2 m, number of positions: 8, 10 Gbps, CAT6_A, connection method: Pierce connection, connection cross section: AWG 26- 26, cable outlet: straight, Ethernet

Your advantages

- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Worldwide approval with CE, UL, WEEE, and EAC
- Secure connection and disconnection with reliable locking clip protection
- Ideal EMC properties, thanks to 360° shielding
- Simultaneous power transmission with PoE++
- Future-proof high-speed data transmission with up to 10 Gbps (CAT6_A)

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1472597 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | ABNABH |
| Product key | ABNABH |
| GTIN | 4063151883751 |
| Weight per piece (including packing) | 27.6 g |
| Weight per piece (excluding packing) | 24.6 g |
| Customs tariff number | 85444210 |
| Country of origin | CN |

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

Technical data

Product properties

| | |
|---------------------|-------------------------|
| Product type | Data cable preassembled |
| Product family | RJ45 STANDARD CAT6A |
| Sensor type | Ethernet |
| Number of positions | 8 |
| Shielded | yes |
| Cable outlet | straight |

Insulation characteristics

| | |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution | 2 |

Electrical properties

| | |
|---|-------------------|
| Rated voltage (III/2) | 72 V |
| Transmission medium | Copper |
| Transmission characteristics (category) | CAT6 _A |
| Transmission speed | 10 Gbps |
| Power transmission | PoE++ |

Mechanical properties

Mechanical data

| | |
|-------------------------------------|---------|
| Insertion force per signal contact | 30.00 N |
| Extraction force per signal contact | 50 N |

Material specifications

| | |
|--|-------|
| Flammability rating according to UL 94 | V0 |
| Contact material | Brass |
| Contact surface material | Au |
| Contact carrier material | PC |
| Outer sheath, material | LSZH |

Connection data

Connection technology

| | |
|-------------------|-------------------|
| Connection method | Pierce connection |
|-------------------|-------------------|

Conductor connection

| | |
|-------------------|-------------------|
| Connection method | Pierce connection |
|-------------------|-------------------|

Connector

Connection 1

| | |
|------|--------------------|
| Type | Plug straight RJ45 |
|------|--------------------|

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

| | |
|---------------------------------|------------------|
| Shielded | yes |
| Handle color | gray |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 80 °C |

Connection 2

| | |
|---------------------------------|--------------------|
| Type | Plug straight RJ45 |
| Shielded | yes |
| Handle color | gray |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 80 °C |

Cable/line

| | |
|--------------|--------|
| Cable length | 0.20 m |
|--------------|--------|

Ethernet, Type B, 8-pos., CAT6A, LSZH [BC6A]

| | |
|---|--|
| Number of positions | 8 |
| Shielded | yes |
| Cable type | Ethernet, Type B, 8-pos., CAT6A, LSZH [BC6A] |
| Conductor structure | 4x2xAWG26/7; S/FTP |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Wire diameter incl. insulation | 1 mm |
| External cable diameter | 6.50 mm ±0.3 mm |
| Outer sheath, material | LSZH |
| External sheath, color | gray |
| Conductor material | Bare Cu litz wires |
| Material wire insulation | PE |
| Single wires, quantity | 8 |
| Single wire, cross section [AWG] | 26 |
| Thickness, outer sheath | approx. 0.70 mm |
| Optical shield covering | 70 % |
| Insulation resistance | ≥ 5000 MΩ*km |
| Loop resistance | ≤ 148.00 Ω/km |
| Wave impedance | 100 Ω |
| Minimum bending radius, fixed installation | 8 x D |
| Smallest bending radius, fixed installation | 52 mm |
| Near end crosstalk attenuation (NEXT) | 75 dB (with 1 MHz) |
| | 66.3 dB (at 4 MHz) |
| | 60.3 dB (at 10 MHz) |
| | 57.2 dB (at 16 MHz) |
| | 55.8 dB (at 20 MHz) |
| | 52.9 dB (at 31.25 MHz) |

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

| | |
|--|------------------------|
| | 48.4 dB (at 62.5 MHz) |
| | 45.3 dB (at 100 MHz) |
| | 40.8 dB (at 200 MHz) |
| | 38.1 dB (at 300 MHz) |
| | 36.3 dB (at 400 MHz) |
| | 34.8 dB (at 500 MHz) |
| Power-summated near end crosstalk attenuation (PSNEXT) | 72.3 dB (with 1 MHz) |
| | 63.3 dB (at 4 MHz) |
| | 58.8 dB (at 8 MHz) |
| | 57.3 dB (at 10 MHz) |
| | 54.2 dB (at 16 MHz) |
| | 52.8 dB (at 20 MHz) |
| | 51.3 dB (at 25 MHz) |
| | 49.9 dB (at 31.25 MHz) |
| | 45.4 dB (at 62.5 MHz) |
| | 42.3 dB (at 100 MHz) |
| | 37.8 dB (at 200 MHz) |
| | 35.1 dB (at 300 MHz) |
| | 33.3 dB (at 400 MHz) |
| | 31.8 dB (at 500 MHz) |
| Return attenuation (RL) | 20 dB (with 1 MHz) |
| | 23 dB (at 4 MHz) |
| | 24.5 dB (at 8 MHz) |
| | 25 dB (at 10 MHz) |
| | 25 dB (at 16 MHz) |
| | 25 dB (at 20 MHz) |
| | 24.2 dB (at 25 MHz) |
| | 23.3 dB (at 31.25 MHz) |
| | 20.7 dB (at 62.5 MHz) |
| | 19 dB (at 100 MHz) |
| | 16.4 dB (at 200 MHz) |
| | 15.6 dB (at 300 MHz) |
| | 15.6 dB (at 400 MHz) |
| | 15.6 dB (at 500 MHz) |
| Shield attenuation | 3.1 dB (with 1 MHz) |
| | 5.7 dB (at 4 MHz) |
| | 8.9 dB (at 10 MHz) |
| | 11.2 dB (at 16 MHz) |
| | 12.6 dB (at 20 MHz) |
| | 15.8 dB (at 31.25 MHz) |
| | 22.5 dB (at 62.5 MHz) |
| | 28.7 dB (at 100 MHz) |
| | 41.4 dB (at 200 MHz) |
| | 51.4 dB (at 300 MHz) |

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

| | |
|------------------------------------|---|
| | 60.1 dB (at 400 MHz) |
| | 67.9 dB (at 500 MHz) |
| Halogen-free | complying with IEC 60754-1/2 |
| Flame resistance | IEC 60332-1-2/IEC 60332-3-24/CM |
| Ambient temperature (operation) | -20 °C ... 80 °C (cable, fixed installation) |
| | -20 °C ... 80 °C (Cable, flexible installation) |
| Ambient temperature (installation) | 0 °C ... 60 °C |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 80 °C |
| Ambient temperature (storage/transport) | 0 °C ... 40 °C |

Standards and regulations

| | |
|------------------|---------------|
| Flame resistance | IEC 60332-1-2 |
|------------------|---------------|

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1472597>



EAC

Approval ID: 19060508



UL Listed

Approval ID: E335024_20210804



cUL Listed

Approval ID: E335024_20210804

cULus Listed

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27060308 |
| ECLASS-12.0 | 27060308 |
| ECLASS-13.0 | 27060307 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC001855 |
|----------|----------|

NBC-R4OC/0,2-BC6A/R4OC - Patch cable



1472597

<https://www.phoenixcontact.com/gb/products/1472597>

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

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk