

# NBC-R4OC/0,3-BC5/R4OC - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

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: 0.3 m, number of positions: 8, CAT5, connection method: Pierce connection, connection cross section: AWG 26- 26, cable outlet: straight, Ethernet, 2x2xAWG26/7, S/UTP, gray

## 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++
- High-speed data transmission with up to 1 Gbps (CAT5)

## Commercial data

Item number	1227558
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABG
GTIN	4063151321062
Weight per piece (including packing)	31.3 g
Weight per piece (excluding packing)	31 g
Customs tariff number	85444210
Country of origin	CN

1227558

<https://www.phoenixcontact.com/us/products/1227558>

## Technical data

### Product properties

Product type	Data cable preassembled
Product family	RJ45 STANDARD CAT5
Number of positions	8
Shielded	yes
Cable outlet	straight

### Insulation characteristics

Overvoltage category	I
Degree of pollution	2

### Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002)
----------------------	--------------------------------

### Electrical properties

Rated voltage (III/2)	72 V
Transmission medium	Copper
Transmission characteristics (category)	CAT5
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

### Dimensions

Width	11.6 mm
Height	14.8 mm
Length	40 mm

### Connection data

#### Connection technology

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

#### Conductor connection

# NBC-R40C/0,3-BC5/R40C - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

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

## Connector

### Connection 1

Type	Plug straight RJ45
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	0.30 m
--------------	--------

### Ethernet, Type B, 8-pos., CAT5, LSZH [BC5]

Number of positions	8
Shielded	yes
Cable type	Ethernet, Type B, 8-pos., CAT5, LSZH [BC5]
Conductor structure	2x2xAWG26/7, S/UTP
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Wire diameter incl. insulation	0.85 mm
External cable diameter	5.70 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	46 mm
	65.3 dB (with 1 MHz)

# NBC-R40C/0,3-BC5/R40C - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

Near end crosstalk attenuation (NEXT)	56.3 dB (at 4 MHz)
	50.3 dB (at 10 MHz)
	47.2 dB (at 16 MHz)
	45.8 dB (at 20 MHz)
	42.9 dB (at 31.25 MHz)
	38.4 dB (at 62.5 MHz)
	35.3 dB (at 100 MHz)
Power-summated near end crosstalk attenuation (PSNEXT)	62.3 dB (with 1 MHz)
	53.3 dB (at 4 MHz)
	48.8 dB (at 8 MHz)
	47.3 dB (at 10 MHz)
	44.2 dB (at 16 MHz)
	42.8 dB (at 20 MHz)
	41.3 dB (at 25 MHz)
	39.9 dB (at 31.25 MHz)
	35.4 dB (at 62.5 MHz)
	32.3 dB (at 100 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)
Shield attenuation	3.2 dB (with 1 MHz)
	6.01 dB (at 4 MHz)
	9.49 dB (at 10 MHz)
	12.07 dB (at 16 MHz)
	13.54 dB (at 20 MHz)
	17.11 dB (at 31.25 MHz)
	24.76 dB (at 62.5 MHz)
	31.99 dB (at 100 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

## Standards and regulations

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

# NBC-R40C/0,3-BC5/R40C - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1227558>



**EAC**

Approval ID: 19060508



**UL Listed**

Approval ID: E335024\_20210804



**cUL Listed**

Approval ID: E335024\_20210804

# NBC-R4OC/0,3-BC5/R4OC - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### UNSPSC

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

# NBC-R40C/0,3-BC5/R40C - Patch cable



1227558

<https://www.phoenixcontact.com/us/products/1227558>

## 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 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)