

# NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable



1413164

<https://www.phoenixcontact.com/us/products/1413164>

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: 10 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet, 2x2xAWG26/7, S/FTP, water blue RAL 5021

## Your advantages

- Perfect for industrial applications
- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Compact angle

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1413164       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB11          |
| Product key                          | ABNABH        |
| GTIN                                 | 4046356989992 |
| Weight per piece (including packing) | 374.3 g       |
| Weight per piece (excluding packing) | 325 g         |
| Customs tariff number                | 85444210      |
| Country of origin                    | PL            |

1413164

<https://www.phoenixcontact.com/us/products/1413164>

## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable preassembled |
| Product family      | RJ45 STANDARD CAT6A     |
| Sensor type         | Ethernet                |
| Number of positions | 8                       |
| Connection profile  | RJ45                    |
| Shielded            | yes                     |

### Signaling

|                        |    |
|------------------------|----|
| Status display         | no |
| Status display present | no |

### Electrical properties

|                       |                   |
|-----------------------|-------------------|
| Rated voltage (III/3) | 72 V (DC)         |
| Nominal voltage $U_N$ | 48 V              |
| Nominal current $I_N$ | 0.5 A             |
| Transmission medium   | Copper            |
| Transmission speed    | 10 Gbps (500 MHz) |
| Transmission speed    | 10 Gbps           |

### Mechanical properties

#### Mechanical data

|                                     |         |
|-------------------------------------|---------|
| Insertion/withdrawal cycles         | 200     |
| Insertion force per signal contact  | 50.00 N |
| Extraction force per signal contact | 30 N    |

### Material specifications

|                          |      |
|--------------------------|------|
| Contact material         | CuSn |
| Contact surface material | Au   |
| Contact carrier material | PC   |
| Outer sheath, material   | PUR  |

### Connection data

#### Connection technology

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

#### Conductor connection

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

### Connector

#### Connection 1

# NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable



1413164

<https://www.phoenixcontact.com/us/products/1413164>

|                             |                    |
|-----------------------------|--------------------|
| Type                        | Plug straight RJ45 |
| Shielded                    | yes                |
| Insertion/withdrawal cycles | ≥ 750              |
| Degree of protection        | IP20               |

## Connection 2

|                             |                    |
|-----------------------------|--------------------|
| Type                        | Plug straight RJ45 |
| Shielded                    | yes                |
| Insertion/withdrawal cycles | ≥ 750              |
| Degree of protection        | IP20               |

## Cable/line

|              |         |
|--------------|---------|
| Cable length | 10.00 m |
|--------------|---------|

## Ethernet, CAT6<sub>A</sub>, 4-pair, S/FTP [94G]

|                         |   |
|-------------------------|---|
| Number of positions     | 8   |
| Shielded                | yes   |
| Cable type              | Ethernet, CAT6 <sub>A</sub> , 4-pair, S/FTP [94G] |
| Conductor structure     | 2x2xAWG26/7, S/FTP                                |
| AWG signal line         | 26  |
| Outer sheath, material  | PUR   |
| External sheath, color  | water blue RAL 5021                               |
| Optical shield covering | 65 %  |
| Flame resistance        | according to IEC 60332-1                          |

## Standards and regulations

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

## Drawings

### Schematic diagram



Connector pin assignment plug RJ45

# NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable



1413164

<https://www.phoenixcontact.com/us/products/1413164>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1413164>



**EAC**

Approval ID: 19060508

# NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable



1413164

<https://www.phoenixcontact.com/us/products/1413164>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27060307 |
| ECLASS-15.0 | 27060307 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC001855 |
|-----------|----------|

### UNSPSC

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

# NBC-R4AC1/10,0-94G/R4AC1-BU - Patch cable



1413164

<https://www.phoenixcontact.com/us/products/1413164>

## 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)