

# NBC-R4AC/1,0-UTP GY/R4AC - Patch cable



1410595

<https://www.phoenixcontact.com/us/products/1410595>

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Patch cable, degree of protection: IP20, cable length: 1 m, number of positions: 8, 1 Gbps, CAT5, cable outlet: straight, Ethernet, 4 x 2 x AWG 24/7, UTP, gray

## 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                          | 1410595       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB11          |
| Product key                          | ABNABM        |
| GTIN                                 | 4046356900249 |
| Weight per piece (including packing) | 31.99 g       |
| Weight per piece (excluding packing) | 30 g          |
| Customs tariff number                | 85444210      |
| Country of origin                    | CN            |

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## Technical data

### Product properties

|                     |                         |
|---------------------|-------------------------|
| Product type        | Data cable preassembled |
| Product family      | RJ45 BASIC IE8 CAT5     |
| Sensor type         | Ethernet                |
| Number of positions | 8                       |
| Number of slots     | 1                       |
| Shielded            | no                      |
| Cable outlet        | straight                |

### 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 $I_N$                   | 1 A                   |
| Transmission medium                     | Copper                |
| Transmission speed                      | up to 1 Gbps          |
| Transmission characteristics (category) | CAT5 (IEC 11801:2002) |
| Transmission speed                      | 1 Gbps                |

### Mechanical properties

#### Mechanical data

|                                     |         |
|-------------------------------------|---------|
| Insertion force per signal contact  | 50.00 N |
| Extraction force per signal contact | 30 N    |

### Material specifications

|  |     |
|--|-----|
| Flammability rating according to UL 94 | V0  |
| Outer sheath, material                 | PVC |

### Connector

#### Connection 1

|                             |   |
|-----------------------------|---|
| Type                        | Plug straight RJ45                                      |
| Shielded                    | yes   |
| Handle color                | gray  |
| Material                    | CuSn (Contact)<br>Au (Contact surface)<br>PVC (Housing) |
| Insertion/withdrawal cycles | ≥ 750   |
| Degree of protection        | IP20  |

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|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -25 °C ... 80 °C |
|---------------------------------|------------------|

## Connection 2

|                                 |   |
|---------------------------------|---|
| Type                            | Plug straight RJ45                                      |
| Shielded                        | yes   |
| Handle color                    | gray  |
| Material                        | CuSn (Contact)<br>Au (Contact surface)<br>PVC (Housing) |
| Insertion/withdrawal cycles     | ≥ 750   |
| Degree of protection            | IP20  |
| Ambient temperature (operation) | -25 °C ... 80 °C  |

## Cable/line

|              |        |
|--------------|--------|
| Cable length | 1.00 m |
|--------------|--------|

## Ethernet, CAT5, 4-pair, UTP [UTP]

|                        |                                   |
|------------------------|-----------------------------------|
| Number of positions    | 8                                 |
| Shielded               | no                                |
| Cable type             | Ethernet, CAT5, 4-pair, UTP [UTP] |
| Conductor structure    | 4 x 2 x AWG 24/7, UTP             |
| AWG signal line        | 24                                |
| Outer sheath, material | PVC                               |
| External sheath, color | gray                              |

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## Drawings

### Schematic diagram



Connector pin assignment plug RJ45

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Circuit diagram



Contact assignment of RJ45 plugs

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## Approvals

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**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

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

### ETIM

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

### 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% |
|-------------------------------------|----------------------------|

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