

# NBC-R4ACS/5,0-93C/OE - Patch cable



1112868

<https://www.phoenixcontact.com/us/products/1112868>

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Patch cable, RJ45/IP20 straight, cable length: 5 m, number of positions: 4, 100 Mbps, CAT5, PROFINET

## Your advantages

- Perfect for industrial applications
- PUR cable for moving applications (bend)
- 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++
- Resistant to shock and vibrations, thanks to robust molding
- High-speed data transmission with up to 100 Mbps (CAT5)



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1112868       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AB11          |
| Product key                          | ABNABA        |
| GTIN                                 | 4063151033545 |
| Weight per piece (including packing) | 330.2 g       |
| Weight per piece (excluding packing) | 324.846 g     |
| Customs tariff number                | 85444210      |

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|                   |    |
|-------------------|----|
| Country of origin | PL |
|-------------------|----|

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## Technical data

### Product properties

|                     |                          |
|---------------------|--------------------------|
| Product type        | Data cable preassembled  |
| Product family      | RJ45 INDUSTRIAL PN4 CAT5 |
| Number of positions | 4                        |
| Shielded            | yes                      |

### Interfaces

|                      |                                     |
|----------------------|-------------------------------------|
| Signal type/category | PROFINET CAT5 (IEC 11801), 100 Mbps |
|----------------------|-------------------------------------|

### Electrical properties

|   |          |
|---|----------|
| Rated voltage (III/2)                   | 72 V     |
| Rated current                           | 1.75 A   |
| Insulation resistance                   | > 1 TΩ   |
| Contact resistance                      | < 20 mΩ  |
| Transmission speed                      | 100 Mbps |
| Transmission characteristics (category) | CAT5     |
| Transmission speed                      | 100 Mbps |

### Dimensions

|        |         |
|--------|---------|
| Width  | 13.8 mm |
| Height | 14.8 mm |
| Length | 45 mm   |

### Connector

#### Connection 1

|  |  |
|--|--|
| Type                                   | RJ45 Plug, straight, 4-position                            |
| Number of positions                    | 4  |
| Signal type/category                   | PROFINET CAT5 (IEC 11801), 100 Mbps<br>EtherCAT®, 100 Mbps |
| Insertion/withdrawal cycles            | ≥ 750  |
| Insertion force                        | 50 N (per signal contact)                                  |
| Withdrawal force                       | 30 N (per signal contact)                                  |
| Overvoltage category                   | I  |
| Degree of pollution                    | 2  |
| Material Contact                       | CuSn6  |
| Material Contact surface               | Ni/Au  |
| Material Contact carrier               | PC   |
| Material Housing                       | PP   |
| Color (Housing)                        | black  |
| Flammability rating according to UL 94 | V2   |
| Degree of protection                   | IP20   |

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|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
|---------------------------------|------------------|

## Connection 2

|      |                |
|------|----------------|
| Type | free cable end |
|------|----------------|

## Cable/line

|                          |                                     |
|--------------------------|-------------------------------------|
| Cable length             | 5.00 m                              |
| Cable type               | PROFINET drag chain CAT5            |
| Signal type/category     | PROFINET CAT5 (IEC 11801), 100 Mbps |
| External sheath, color   | green                               |
| Test voltage Core/Core   | 1000 V DC                           |
| Test voltage Core/Shield | 1000.00 V DC                        |
| Halogen-free             | yes                                 |

## Environmental and real-life conditions

### Ambient conditions

|   |                                   |
|---|-----------------------------------|
| Ambient temperature (operation)         | -40 °C ... 85 °C (RJ45 connector) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C (RJ45 connector) |

## Standards and regulations

|                          |             |
|--------------------------|-------------|
| Standards/specifications | IEC 60603-7 |
|--------------------------|-------------|

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1112868>

|  <b>cUL Recognized</b><br>Approval ID: E335024-V2S6 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 57 V                  | 1.75 A                | -                 | -                           |

|  <b>UL Recognized</b><br>Approval ID: E335024-V2S6 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
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## Classifications

### ECLASS

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

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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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