

NBC-R4ACS/0,5-93B/OE - Patch cable



1112877

<https://www.phoenixcontact.com/us/products/1112877>

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, RJ45/IP20 straight, cable length: 0.5 m, number of positions: 4, 100 Mbps, CAT5, PROFINET, 1x4xAWG22/7, SF/TQ, green RAL 6018

Your advantages

- PVC cable for flexible installations
- CE, UL, WEEE, EAC
- 360° shielding
- High shock and vibration resistance
- Robust molding
- Perfect for industrial applications

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1112877 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABA |
| GTIN | 4063151034283 |
| Weight per piece (including packing) | 51.1 g |
| Weight per piece (excluding packing) | 40.958 g |
| Customs tariff number | 85444210 |
| Country of origin | PL |

1112877

<https://www.phoenixcontact.com/us/products/1112877>

Technical data

Product properties

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

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 | 44.2 mm |

Connector

Connection 1

| | |
|--|--|
| Type | RJ45 Plug, straight, 4-position |
| Number of positions | 4 |
| Signal type/category | PROFINET CAT5 (IEC 11801), 100 Mbps 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 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

NBC-R4ACS/0,5-93B/OE - Patch cable



1112877

<https://www.phoenixcontact.com/us/products/1112877>

Connection 2

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

Cable/line

| | |
|--------------|--------|
| Cable length | 0.50 m |
|--------------|--------|

PROFINET PVC stranded CAT5 [93B]

| | |
|---|--|
| Dimensional drawing |  |
| UL AWM Style | 21695 (80 °C / 600 V) |
| Number of positions | 4 |
| Shielded | yes |
| Cable type | PROFINET PVC stranded CAT5 [93B] |
| Conductor structure | 1x4xAWG22/7, SF/TQ |
| AWG signal line | 22 |
| Conductor cross-section | 4x 0.34 mm ² |
| Wire diameter incl. insulation | 1.5 mm ±0.1 mm |
| External cable diameter | 6.50 mm ±0.2 mm |
| Outer sheath, material | PVC |
| External sheath, color | green RAL 6018 |
| Conductor material | Tin-plated Cu litz wires |
| Material wire insulation | PE |
| Single wire, color | white, yellow, blue, orange |
| Overall twist | Star quad |
| Optical shield covering | 85 % |
| Insulation resistance | ≥ 5 GΩ*km |
| Loop resistance | ≤ 120.00 Ω/km |
| Wave impedance | 100 Ω ±5 Ω (at 100 MHz) |
| Nominal voltage, cable | ≤ 600 V |
| Test voltage Core/Core | 2000 V ((50 Hz/1 min)) |
| Test voltage Core/Shield | 2000.00 V ((50 Hz/1 min)) |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 8 x D |
| Flame resistance | UL 1581, Section 1060 and UL 2556, Section 9.3 (FT1) UL 1685 (CSA FT 4) UL 1581, Section 1100 and UL 2556, Section 9.1 (HFT/FT2) |
| Resistance to oil | OIL RES I according to UL 2256 |
| Other resistance | UV resistant (according to UL 1581, Section 1200) |

NBC-R4ACS/0,5-93B/OE - Patch cable



1112877

<https://www.phoenixcontact.com/us/products/1112877>

| | |
|---------------------------------|---|
| Ambient temperature (operation) | -40 °C ... 80 °C (cable, fixed installation) |
| | -10 °C ... 70 °C (Cable, flexible installation) |

Standards and regulations

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

NBC-R4ACS/0,5-93B/OE - Patch cable




1112877

<https://www.phoenixcontact.com/us/products/1112877>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1112877>

|  cUL Recognized Approval ID: E335024-V2S6 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 57 V | 1.75 A | - | - |

|  UL Recognized Approval ID: E335024-V2S6 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 57 V | 1.75 A | - | - |

1112877

<https://www.phoenixcontact.com/us/products/1112877>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

NBC-R4ACS/0,5-93B/OE - Patch cable



1112877

<https://www.phoenixcontact.com/us/products/1112877>

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