

## Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970

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Patch cable, degree of protection: IP20, cable length: 5 m, number of positions: 4, 100 Mbps, CAT5, material: PA 6.6, PROFINET

PROFINET patch cable



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 856997 |
| GTIN                                 | 4046356856997                                                                                           |
| Weight per Piece (excluding packing) | 340.000 g                                                                                               |
| Custom tariff number                 | 85444210                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### Dimensions

|                 |        |
|-----------------|--------|
| Length of cable | 5.00 m |
|-----------------|--------|

#### Ambient conditions

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Degree of protection            | IP20 (RJ45 connector)             |
| Ambient temperature (operation) | -25 °C ... 80 °C (RJ45 connector) |

#### General data

|                       |      |
|-----------------------|------|
| Rated current at 40°C | 1 A  |
| Rated voltage         | 48 V |
| Number of positions   | 4    |
| Overvoltage category  | I    |

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### Technical data

#### General data

|                                         |                |
|-----------------------------------------|----------------|
| Degree of pollution                     | 1              |
| Alternative short product description   | PROFINET cable |
| Rated voltage (III/3)                   | 72 V (DC)      |
| Insertion/withdrawal cycles             | ≥ 750          |
| Contact material                        | CuSn           |
| Contact surface material                | Ni/Au          |
| Housing material                        | PA 6.6         |
| Number of slots                         | 1              |
| Rated current                           | 1.75 A         |
| Transmission characteristics (category) | CAT5           |
| Transmission speed                      | 100 Mbps       |

#### Characteristics head 1

|                                 |                         |
|---------------------------------|-------------------------|
| Color                           | black                   |
| Material (component)            | CuSn (Contact)          |
|                                 | Ni/Au (Contact surface) |
|                                 | PA (Contact carriers)   |
|                                 | PA (Housing)            |
| Insertion/withdrawal cycles     | ≥ 750                   |
| Ambient temperature (operation) | -25 °C ... 80 °C        |

#### Characteristics head 2

|                                 |                         |
|---------------------------------|-------------------------|
| Color                           | black                   |
| Material (component)            | CuSn (Contact)          |
|                                 | Ni/Au (Contact surface) |
|                                 | PA (Contact carriers)   |
|                                 | PA (Housing)            |
| Insertion/withdrawal cycles     | ≥ 750                   |
| Ambient temperature (operation) | -25 °C ... 80 °C        |

#### Cable

|                                    |                                          |
|------------------------------------|------------------------------------------|
| Cable type                         | PROFINET PVC stranded CAT5               |
| Cable type (abbreviation)          | 93B                                      |
| Signal type/category               | PROFINET CAT5 (IEC 11801:2002), 100 Mbps |
| Cable structure                    | 1x4xAWG22/7; SF/TQ                       |
| Conductor cross section            | 4x 0.34 mm²                              |
| AWG signal line                    | 22                                       |
| Conductor structure signal line    | 7x 0.25 mm                               |
| Core diameter including insulation | approx. 1.5 mm                           |

## Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970

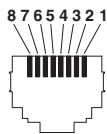
### Technical data

#### Cable

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Wire colors                                   | White, yellow, blue, orange                   |
| External sheath, color                        | green RAL 6018                                |
| External cable diameter D                     | 6.5 mm                                        |
| Smallest bending radius, fixed installation   | 30 mm                                         |
| Smallest bending radius, movable installation | 60 mm                                         |
| Outer sheath, material                        | PVC                                           |
| Conductor material                            | Tin-plated Cu litz wires                      |
| Wave impedance                                | 100 $\Omega \pm 15 \Omega$ (at 1 ... 100 MHz) |
| Shielded                                      | yes                                           |

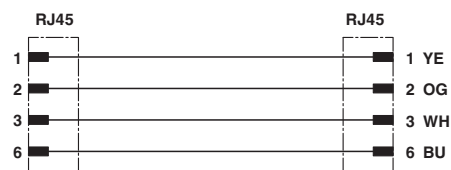
### Drawings

Schematic diagram



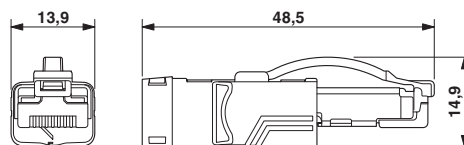
Connector pin assignment plug RJ45

Circuit diagram



Contact assignment of RJ45 plugs

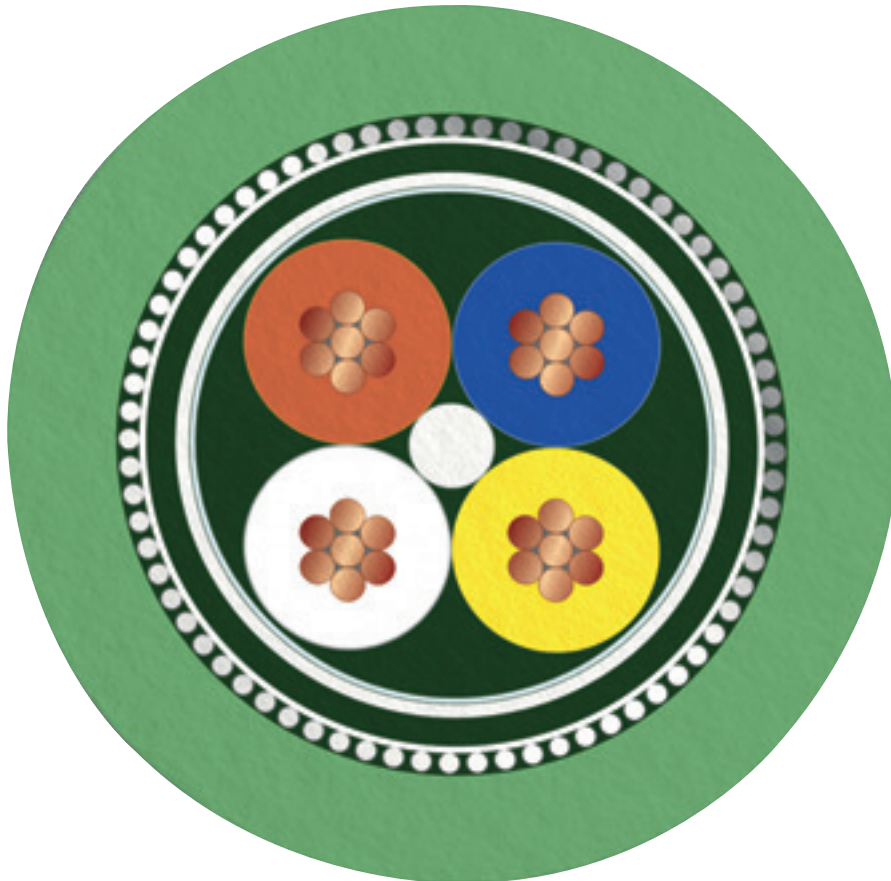
Dimensional drawing



RJ45 connector, IP20

## Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970

Cable cross section



PROFINET PVC stranded CAT5 [93B]

### Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27060308 |
| eCl@ss 11.0   | 27060308 |
| eCl@ss 4.0    | 24010400 |
| eCl@ss 4.1    | 24010400 |
| eCl@ss 5.0    | 19030300 |
| eCl@ss 5.1    | 19030300 |
| eCl@ss 6.0    | 27061800 |
| eCl@ss 7.0    | 27060308 |
| eCl@ss 9.0    | 27060308 |

## Patch cable - NBC-R4AC/5,0-93B/R4AC - 1408970

### Classifications

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002599 |
| ETIM 6.0 | EC001262 |
| ETIM 7.0 | EC002599 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121616 |
| UNSPSC 7.0901 | 26121616 |
| UNSPSC 11     | 26121604 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 26121604 |
| UNSPSC 18.0   | 26121604 |
| UNSPSC 19.0   | 26121604 |
| UNSPSC 20.0   | 26121604 |
| UNSPSC 21.0   | 26121604 |

### Approvals

#### Approvals

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Approvals

EAC

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Ex Approvals

#### Approval details

|     |                                                                                     |          |
|-----|-------------------------------------------------------------------------------------|----------|
| EAC |  | 19060508 |
|-----|-------------------------------------------------------------------------------------|----------|