

# NBC-R4AC/25,0-UTP GY/R4AC - Network cable



1412975

<https://www.phoenixcontact.com/us/products/1412975>

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Network cable, degree of protection: IP20, cable length: 25 m, number of positions: 8, 1 Gbps, CAT5, cable outlet: straight, Ethernet

## 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	1412975
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABM
GTIN	4046356980098
Weight per piece (including packing)	521.8 g
Weight per piece (excluding packing)	521.8 g
Customs tariff number	85444210
Country of origin	CN

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## Technical data

### Product properties

Product type	Data cable preassembled
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 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)
	Au (Contact surface)
	PVC (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 80 °C

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## Connection 2

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

## Cable/line

Cable length	25.00 m
Cable type	Ethernet
Cable structure	4x2xAWG24/7; UTP
External cable diameter	5.40 mm
Outer sheath, material	PVC
External sheath, color	gray
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Cable cross section	0.22 mm <sup>2</sup>
Conductor structure signal line	7x 0.20 mm
AWG signal line	24

## Environmental and real-life conditions

### Ambient conditions

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

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## Drawings

### Schematic diagram



Connector pin assignment plug RJ45

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Circuit diagram



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## Approvals

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**EAC**

Approval ID: 19060508

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## Classifications

### ECLASS

ECLASS-11.0	27060308
ECLASS-12.0	27060308
ECLASS-13.0	27060307

### ETIM

ETIM 8.0	EC002599
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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