

# NBC-R4AC/20,0-UTP GY/R4AC - Patch cable



1412974

<https://www.phoenixcontact.com/us/products/1412974>

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Patch cable, degree of protection: IP20, cable length: 20 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	1412974
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABM
GTIN	4046356977951
Weight per piece (including packing)	454.9 g
Weight per piece (excluding packing)	406.9 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) Au (Contact surface) PVC (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

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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	20.00 m
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## 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
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### UNSPSC

UNSPSC 21.0	26121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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