

# NBC-R4AC1/10,0-94G/R4AC1-RD - Patch cable



1421145

<https://www.phoenixcontact.com/us/products/1421145>

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Patch cable, degree of protection: IP20, cable length: 10 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, Ethernet

## Commercial data

Item number	1421145
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABM
GTIN	4055626254760
Weight per piece (including packing)	393.5 g
Weight per piece (excluding packing)	393.5 g
Customs tariff number	85444210
Country of origin	PL

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## Technical data

### Product properties

Product type	Data cable preassembled
Product family	RJ45 BASIC IE8 CAT5
Number of positions	8
Shielded	yes

### Interfaces

Signal type/category	Ethernet CAT6 <sub>A</sub> , 10 Gbps (500 MHz)
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### 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 $I_N$	0.5 A
Transmission medium	Copper
Transmission speed	10 Gbps (500 MHz)
Transmission speed	10 Gbps

### Mechanical properties

#### Mechanical data

Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

### Material specifications

Outer sheath, material	PUR
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### Connector

#### Connection 2

Type	Plug straight RJ45
Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

### Cable/line

Cable length	10.00 m
Cable type	Ethernet 10 Gbit
Cable structure	2x2xAWG26/7, S/FTP
Signal type/category	Ethernet CAT6 <sub>A</sub> , 10 Gbps (500 MHz)

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Outer sheath, material	PUR
External sheath, color	red
Conductor structure signal line	6.00 mm +0.2 mm -0.1 mm
AWG signal line	26
Material wire insulation	PE
Shielding	S/FTP
Test voltage, cable	1000 V DC (1 minute)
Cable insulation resistance	2000 MΩ*km (500 V)
Coupling resistance	30.00 mΩ/m (30 MHz)
Smallest bending radius, movable installation	25 mm (without load)
Flame resistance	IEC 60332-1

## Environmental and real-life conditions

### Ambient conditions

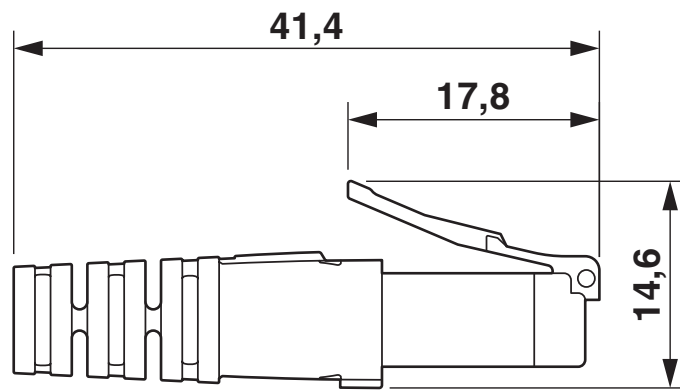
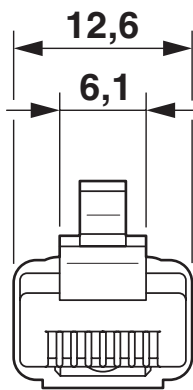
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (RJ45 connector)
	-25 °C ... 75 °C (cable)

## Standards and regulations

Flame resistance	IEC 60332-1
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Drawings

Dimensional drawing



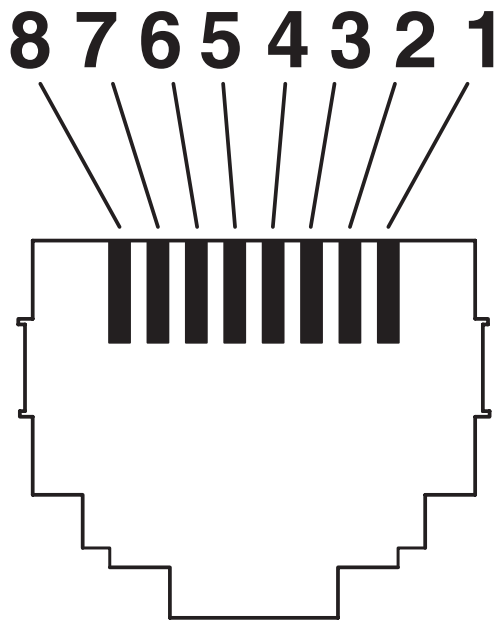
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## Schematic diagram



Connector pin assignment plug RJ45

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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 9.0	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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