

# NBC-R4AC1/0,5-94G/R4AC1-BU - Patch cable



1413159

<https://www.phoenixcontact.com/us/products/1413159>

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Patch cable, degree of protection: IP20, cable length: 0.5 m, number of positions: 8, 10 Gbps, CAT6<sub>A</sub>, connection method: Pierce connection, Ethernet, 2x2xAWG26/7, S/FTP, water blue RAL 5021

## 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	1413159
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABH
GTIN	4046356989947
Weight per piece (including packing)	30.3 g
Weight per piece (excluding packing)	27.9 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 STANDARD CAT6A
Number of positions	8
Connection profile	RJ45
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/withdrawal cycles	200
Insertion force per signal contact	50.00 N
Extraction force per signal contact	30 N

### Material specifications

Contact material	CuSn
Contact surface material	Au
Contact carrier material	PC
Outer sheath, material	PUR

### Connection data

#### Connection technology

Connection method	Pierce connection
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#### Conductor connection

Connection method	Pierce connection
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### Connector

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## Connection 1

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

## Connection 2

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

## Cable/line

Cable length	0.50 m
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## Ethernet, CAT6<sub>A</sub>, 4-pair, S/FTP [94G]

Number of positions	8
Shielded	yes
Cable type	Ethernet, CAT6 <sub>A</sub> , 4-pair, S/FTP [94G]
Conductor structure	2x2xAWG26/7, S/FTP
AWG signal line	26
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Optical shield covering	65 %
Flame resistance	according to IEC 60332-1

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

Flame resistance	IEC 60332-1
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## Drawings

### 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

### 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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### EF3.1 Climate Change

CO2e kg	3.408 kg CO2e
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