

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



1412975

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Patch cable, degree of protection: IP20, cable length: 25 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	1412975
Packing unit	1 pc
Minimum order quantity	1 pc
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

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



1412975

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

## Technical data

### Product properties

Product type	Data cable preassembled
Product family	RJ45 BASIC IE8 CAT5
Number of positions	8
Number of slots	1
Shielded	no
Cable outlet	straight

### Interfaces

Signal type/category	Ethernet CAT5 (IEC 11801:2002), 1 Gbps
----------------------	--

### 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)

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



1412975

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

Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 80 °C

## 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
--------------	---------

## 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

## Environmental and real-life conditions

### Ambient conditions

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

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

1412975

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



## Drawings

### Schematic diagram



Connector pin assignment plug RJ45

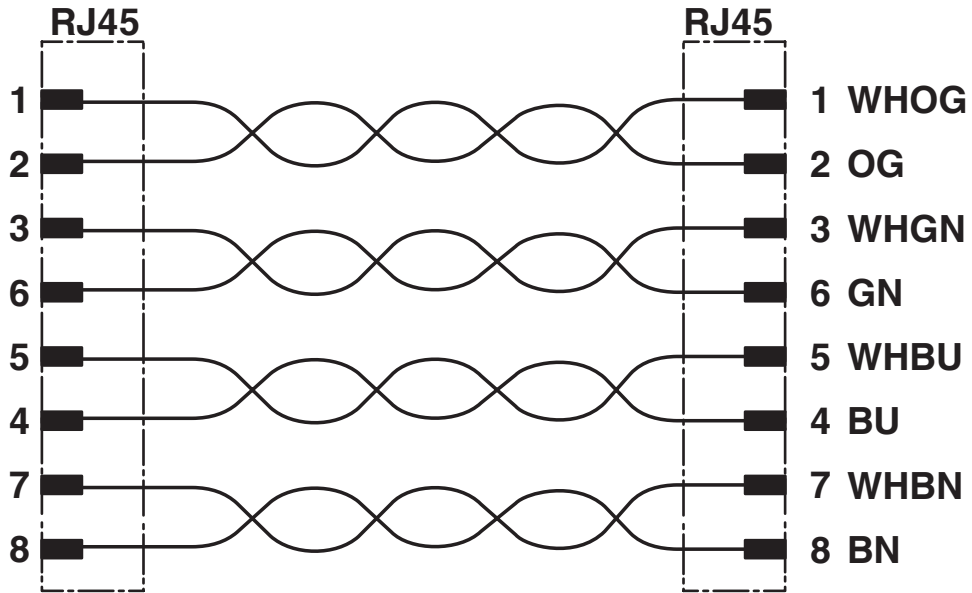
# NBC-R4AC/25,0-UTP GY/R4AC - Patch cable



1412975

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

Circuit diagram



Contact assignment of RJ45 plugs

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



1412975

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

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412975>



**EAC**

Approval ID: 19060508

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



1412975

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

## Classifications

### ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

### UNSPSC

UNSPSC 21.0	26121600
-------------	----------

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



1412975

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

## Environmental product compliance

### EU RoHS

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

### 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%
-------------------------------------	----------------------------

### EF3.1 Climate Change

CO2e kg	3.838 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)