

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086
<https://www.phoenixcontact.com/us/products/1413086>

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: 0.5 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	1413086
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABM
GTIN	4046356985871
Weight per piece (including packing)	19.73 g
Weight per piece (excluding packing)	19.24 g
Customs tariff number	85444210
Country of origin	CN

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086

<https://www.phoenixcontact.com/us/products/1413086>

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

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086

<https://www.phoenixcontact.com/us/products/1413086>

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	0.50 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/0,5-UTP GY/R4AC - Patch cable

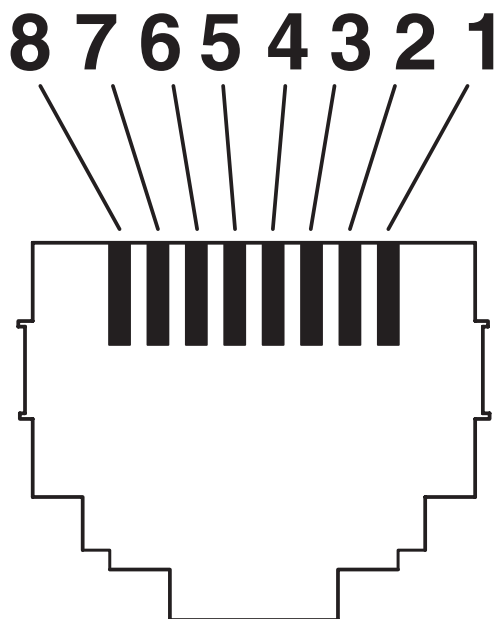
1413086

<https://www.phoenixcontact.com/us/products/1413086>



Drawings

Schematic diagram



Connector pin assignment plug RJ45

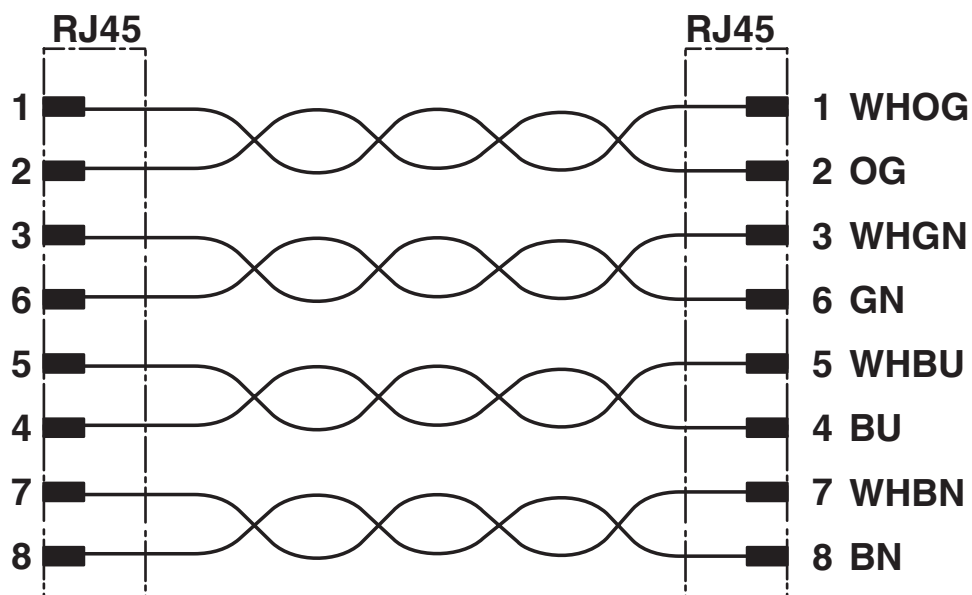
NBC-R4AC/0,5-UTP GY/R4AC - Patch cable

1413086

<https://www.phoenixcontact.com/us/products/1413086>



Circuit diagram



Contact assignment of RJ45 plugs

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086

<https://www.phoenixcontact.com/us/products/1413086>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1413086>



EAC

Approval ID: 19060508

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086

<https://www.phoenixcontact.com/us/products/1413086>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 9.0	EC001855
----------	----------

UNSPSC

UNSPSC 21.0	31261500
-------------	----------

NBC-R4AC/0,5-UTP GY/R4AC - Patch cable



1413086

<https://www.phoenixcontact.com/us/products/1413086>

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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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