

1412971

<https://www.phoenixcontact.com/us/products/1412971>

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: 15 m, number of positions: 8, 1 Gbps, CAT5, cable outlet: straight, Ethernet

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	1412971
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB11
Product key	ABNABM
GTIN	4046356977944
Weight per piece (including packing)	338.1 g
Weight per piece (excluding packing)	338.1 g
Customs tariff number	85444210
Country of origin	CN

NBC-R4AC/15,0-UTP GY/R4AC - Patch cable



1412971

<https://www.phoenixcontact.com/us/products/1412971>

Technical data

Product properties

Product type	Data cable preassembled
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 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
Ambient temperature (operation)	-25 °C ... 80 °C

NBC-R4AC/15,0-UTP GY/R4AC - Patch cable



1412971

<https://www.phoenixcontact.com/us/products/1412971>

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	15.00 m
Cable type	Ethernet
Cable structure	4x2xAWG24/7; UTP
External cable diameter	5.40 mm
Outer sheath, material	PVC
External sheath, color	gray
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Cable cross section	0.22 mm ²
Conductor structure signal line	7x 0.20 mm
AWG signal line	24

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/15,0-UTP GY/R4AC - Patch cable

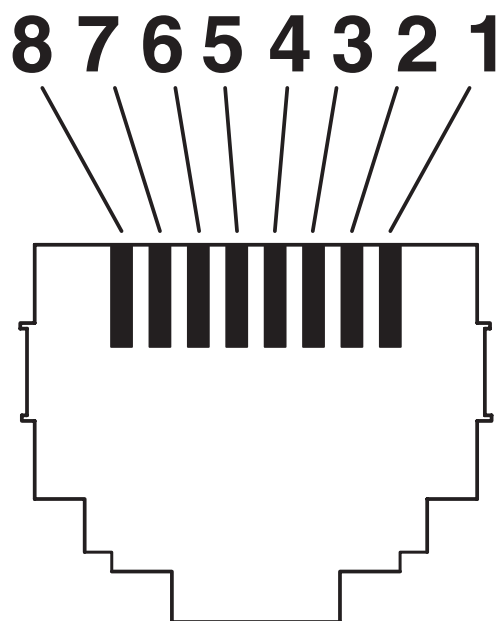
1412971

<https://www.phoenixcontact.com/us/products/1412971>



Drawings

Schematic diagram



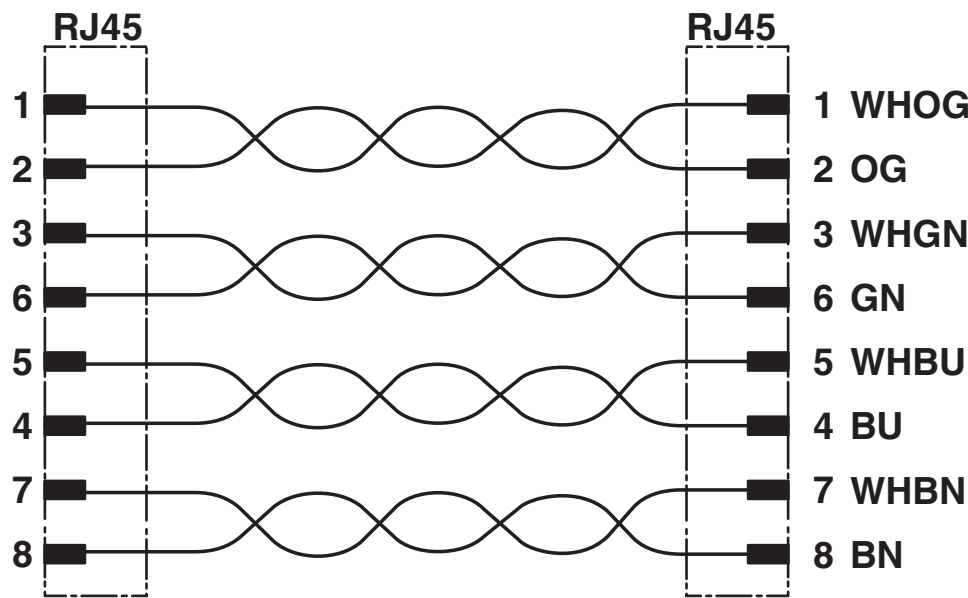
Connector pin assignment plug RJ45

NBC-R4AC/15,0-UTP GY/R4AC - Patch cable



1412971
<https://www.phoenixcontact.com/us/products/1412971>

Circuit diagram



NBC-R4AC/15,0-UTP GY/R4AC - Patch cable



1412971

<https://www.phoenixcontact.com/us/products/1412971>

Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1412971>



EAC

Approval ID: 19060508

NBC-R4AC/15,0-UTP GY/R4AC - Patch cable



1412971

<https://www.phoenixcontact.com/us/products/1412971>

Classifications

ECLASS

ECLASS-11.0	27060308
ECLASS-13.0	27060307

ETIM

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

UNSPSC

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

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%