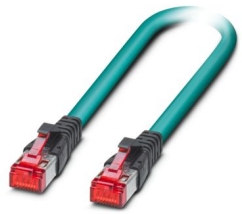
NBC-R4AC1/20,0-94G/R4AC1-BU - Patch cable

1413166

https://www.phoenixcontact.com/us/products/1413166

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, Ethernet CAT6$_A$ (10 Gbps), 8-position, PUR, water blue RAL 5021, Plug straight RJ45 / IP20, on Plug straight RJ45 / IP20, cable length: 20 m

Your advantages

- Perfect for industrial applications
- Perfect for office, building, and protected industrial applications (e.g., in control cabinets)
- Compact angle

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1413166
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABH
GTIN	4046356990011
Weight per piece (including packing)	740.4 g
Weight per piece (excluding packing)	645 g
Customs tariff number	85444210
Country of origin	PL

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 STANDARD CAT6A
Number of positions	8
Shielded	yes

Interfaces

Signal type/category	Ethernet $CAT6_A$, 10 Gbps (500 MHz)

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)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	200

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

Conductor connection

Connection method	Pierce connection

Connector

Connection 1

Type	Plug straight RJ45 / IP20
Number of positions	8

Shielded	yes
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

Connection 2

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

Cable/line

Cable length	20 m

Ethernet, $CAT6_A$, 4-pair, S/FTP [94G]

Number of positions	8
Shielded	yes
Cable type	Ethernet, $CAT6_A$, 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

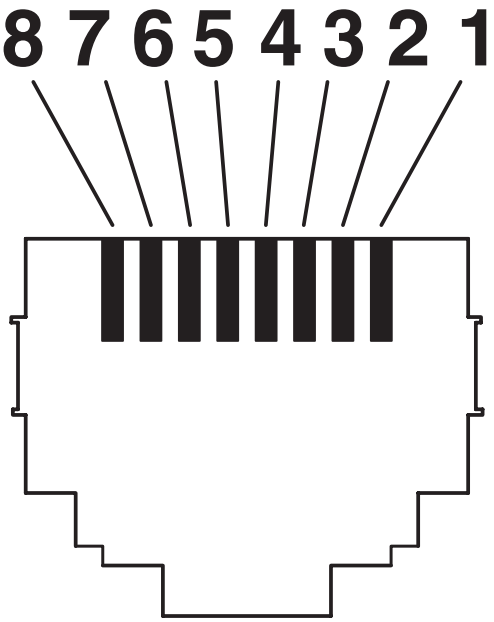
Degree of protection	IP20
	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (RJ45 connector)
	-25 °C ... 75 °C (cable)

Standards and regulations

Flame resistance	IEC 60332-1

Drawings

Schematic diagram



Connector pin assignment plug RJ45

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1413166

EAC
Approval ID: 19060508

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC002599

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%

EF3.1 Climate Change

CO2e kg	27.279 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