

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

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 CAT5 (1 Gbps), 8-position, PUR halogen-free, water blue RAL 5021, Plug straight RJ45 / IP20, on Plug straight RJ45 / IP20, cable length: 1 m

Your advantages

- Perfect for industrial applications
- PUR cable for moving applications (bend)
- Worldwide approval with CE, UL, WEEE, and EAC
- Secure connection and disconnection with reliable locking clip protection
- Ideal EMC properties, thanks to 360° shielding
- Simultaneous power transmission with PoE++
- Resistant to shock and vibrations, thanks to robust molding
- High-speed data transmission with up to 1 Gbps (CAT5)



Commercial data

Item number	1112916
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	ABNABE
Product key	ABNABE
GTIN	4063151034177
Weight per piece (including packing)	82.1 g
Weight per piece (excluding packing)	76.164 g
Customs tariff number	85444210

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Country of origin	Information on the country of origin is provided with the delivery.
-------------------	---

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL IE8 CAT5
Number of positions	8
Shielded	yes

Interfaces

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

Electrical properties

Rated voltage (III/2)	72 V
Rated current	1.5 A
Insulation resistance	> 1 TΩ
Transmission speed	1 Gbps
Transmission characteristics (category)	CAT5

Material specifications

Outer sheath, material	PUR
Conductor material	Copper, bare

Dimensions

Width	14 mm
Height	14.8 mm
Length	44.2 mm

Connector

Connection 1

Type	RJ45, straight
------	----------------

Connection 2

Type	RJ45, straight
------	----------------

Cable/line

Cable length	1 m
--------------	-----

Ethernet drag chain CAT5, 4-pair [94C]

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Dimensional drawing	
Cable weight	57 kg/km
UL AWM Style	20963 (80°C/30 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet drag chain CAT5, 4-pair [94C]
Conductor structure	4x2xAWG26/19, S/UTP
Signal runtime	5.3 ns/m
Conductor structure signal line	19x 0.10 mm
AWG signal line	26
Conductor cross-section	4x 2x 0.14 mm ²
Wire diameter incl. insulation	1 mm
External cable diameter	6.90 mm +0.1 mm ... 0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Thickness, outer sheath	0.85 mm
Twisted pairs	2 cores to the pair
Overall twist	Four pairs and four fillers to the core
Optical shield covering	90 %
Insulation resistance	≥ 500 MΩ*km
Coupling resistance	≤ 100.00 mΩ/m (at 10 MHz)
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Cable capacity	approx. 50 nF/km (at 1 kHz)
Nominal voltage, cable	≤ 100 V
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	28 mm
Smallest bending radius, movable installation	56 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000000, Bending radius: 7,5 x D, Traversing rate: 3 m/s, Acceleration: 5 m/s ²

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Tensile strength	≤ 100 N
Near end crosstalk attenuation (NEXT)	65.3 dB (with 1 MHz)
	56.3 dB (at 4 MHz)
	50.3 dB (at 10 MHz)
	47.2 dB (at 16 MHz)
	45.8 dB (at 20 MHz)
	42.9 dB (at 31.25 MHz)
	38.4 dB (at 62.5 MHz)
	35.3 dB (at 100 MHz)
Power-summed near end crosstalk attenuation (PSNEXT)	62.3 dB (with 1 MHz)
	53.3 dB (at 4 MHz)
	47.3 dB (at 10 MHz)
	44.2 dB (at 16 MHz)
	42.8 dB (at 20 MHz)
	39.9 dB (at 31.25 MHz)
	35.4 dB (at 62.5 MHz)
	32.3 dB (at 100 MHz)
Return attenuation (RL)	23 dB (at 4 MHz)
	24.1 dB (at 8 MHz)
	25 dB (at 10 MHz)
	25 dB (at 16 MHz)
	25 dB (at 20 MHz)
	23.6 dB (at 31.25 MHz)
	21.5 dB (at 62.5 MHz)
	20.1 dB (at 100 MHz)
Shield attenuation	3.2 dB (with 1 MHz)
	6 dB (at 4 MHz)
	9.5 dB (at 10 MHz)
	12.1 dB (at 16 MHz)
	13.6 dB (at 20 MHz)
	17.1 dB (at 31.25 MHz)
	24.8 dB (at 62.5 MHz)
	32 dB (at 100 MHz)
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
Resistance to oil	in accordance with EN 60811-2-1
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 80 °C

Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 85 °C (RJ45 connector)
---	-----------------------------------

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1112916>

 UL Listed Approval ID: E335024-V1S7				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	57 V	1.75 A	-	-

 cUL Listed Approval ID: E335024-V1S7				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	57 V	1.75 A	-	-

NBC-R4ACS/1,0-94C/R4ACS - Patch cable



1112916

<https://www.phoenixcontact.com/gb/products/1112916>

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC002599
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

1112916

<https://www.phoenixcontact.com/gb/products/1112916>

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	7.832 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk