NBC-R4ACS/0,2-93K/R4ACS - Patch cable

1113146

https://www.phoenixcontact.com/us/products/1113146

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, PROFINET CAT5 (100 Mbps), 4-position, PVC/PVC, signal red RAL 3020, Plug straight RJ45 / IP20, on Plug straight RJ45 / IP20, cable length: 0.2 m

Your advantages

- Perfect for industrial applications
- 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 100 Mbps (CAT5)

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1113146
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB11
Product key	ABNABA
GTIN	4063151034061
Weight per piece (including packing)	40.4 g
Weight per piece (excluding packing)	33.951 g
Customs tariff number	85444210
Country of origin	PL

Technical data

Product properties

Product type	Data cable preassembled
Product family	RJ45 INDUSTRIAL PN4 CAT5
Number of positions	4
Shielded	yes

Interfaces

Signal type/category	PROFINET CAT5 (IEC 11801), 100 Mbps

Electrical properties

Rated voltage (III/2)	72 V
Rated current	1.75 A
Insulation resistance	> 1 TΩ
Transmission speed	100 Mbps
Transmission characteristics (category)	CAT5

Dimensions

Width	14 mm
Height	14.8 mm
Length	44.2 mm

Connector

Connection 1

Type	RJ45 Plug, straight, 4-position, PROFINET, EtherCAT®
Number of positions	4
Signal type/category	PROFINET CAT5 (IEC 11801), 100 Mbps
	EtherCAT®, 100 Mbps
Insertion/withdrawal cycles	≥ 750
Insertion force	50 N (per signal contact)
Withdrawal force	30 N (per signal contact)
Overvoltage category	I
Degree of pollution	2
Material Contact	CuSn6
Material Contact surface	Ni/Au
Material Contact carrier	PC
Material Housing	PP
Color (Housing)	black
Flammability rating according to UL 94	V2
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

Connection 2

Type	RJ45 Plug, straight, 4-position, PROFINET, EtherCAT®
Number of positions	4
Signal type/category	PROFINET CAT5 (IEC 11801), 100 Mbps
	EtherCAT®, 100 Mbps
Insertion/withdrawal cycles	≥ 750
Insertion force	50 N (per signal contact)
Withdrawal force	30 N (per signal contact)
Overvoltage category	I
Degree of pollution	2
Material Contact	CuSn6
Material Contact surface	Ni/Au
Material Contact carrier	PC
Material Housing	PP
Color (Housing)	black
Flammability rating according to UL 94	V2
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

Cable/line

Cable length	0.2 m

Sercos III [93K]

Dimensional drawing	
Cable weight	68 kg/km
UL AWM Style	21694 (60 °C / 600 V)
Number of positions	4
Shielded	yes
Cable type	Sercos III [93K]
Conductor structure	1x4xAWG22/7, SF/TQ
Signal runtime	5.3 ns/m
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Conductor cross-section	4x 0.34 mm²
Wire diameter incl. insulation	approx. 1.55 mm
External cable diameter	6.50 mm ±0.2 mm
Outer sheath, material	PVC
External sheath, color	signal red RAL 3020

Conductor material	Tin-plated Cu litz wires
Material wire insulation	PE
Single wire, color	white, yellow, blue, orange
Thickness, outer sheath	approx. 0.90 mm
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Star quad
Max. conductor resistance	≤ 120 Ω/km
Insulation resistance	≥ 0.5 GΩ*km
Coupling resistance	≤ 20.00 mΩ/m (at 10 Hz)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Nominal voltage, cable	600 V
Test voltage Core/Core	2000 V (50 Hz, 1 min.)
Test voltage Core/Shield	2000.00 V (50 Hz, 1 min.)
Minimum bending radius, fixed installation	3 x D
Minimum bending radius, flexible installation	7 x D
Smallest bending radius, fixed installation	20 mm
Smallest bending radius, movable installation	46 mm
Flame resistance	according to UL 1685 (CSA FT 4)
Resistance to oil	Resistant to oil to a limited extent
Other resistance	UV resistant (according to UL 1581, Section 1200)
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
	-40 °C ... 70 °C (Cable, flexible installation)
Ambient temperature (installation)	-20 °C ... 60 °C

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/specifications	IEC 60603-7

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1113146

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	-	-

Classifications

ECLASS

ECLASS-13.0	27060307
ECLASS-15.0	27060307

ETIM

ETIM 10.0	EC002599

UNSPSC

UNSPSC 21.0	39121400

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	4.724 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