

NBC-R4ACS-R4ACS-IE8A/.../... - Patch cable



1387606

<https://www.phoenixcontact.com/us/products/1387606>

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Patch cable, degree of protection: IP20, number of positions: 8, 10 Gbps, CAT6_A, material: PP, connection method: Pierce connection, connection cross section: AWG 26- 26, cable outlet: straight, Ethernet

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)
- Future-proof high-speed data transmission with up to 10 Gbps (CAT6_A)

Commercial data

Item number	1387606
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	AB50
Product key	ABNABF
Customs tariff number	85444210
Country of origin	PL

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Technical data

Product properties

Product type	Data cable preassembled
Number of positions	8
Shielded	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
Degree of pollution	2

Interfaces

Signal type/category	Ethernet CAT6 _A (IEC 11801), 10 Gbps
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Signaling

Status display	no
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Electrical properties

Rated current	1.5 A
Contact resistance	< 20 mΩ
Transmission speed	10 Gbps
Transmission characteristics (category)	CAT6 _A
Transmission speed	10 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	V2
Housing material	PP
Contact material	CuSn6
Contact surface material	Ni/Au
Contact carrier material	PC
Outer sheath, material	PUR
Conductor material	Copper, bare

Dimensions

Width	13.8 mm
Height	14.8 mm
Length	44.2 mm

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Connection data

Connection technology

Connection method	Pierce connection
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Conductor connection

Connection method	Pierce connection
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Connector

Connection 1

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

Connection 2

Type	Plug straight RJ45
Shielded	yes
Handle color	black
Insertion/withdrawal cycles	> 750
Degree of protection	IP20

Cable/line

Ethernet 10 Gbit [94F]

UL AWM Style	21238 (80 °C / 600 V)
Number of positions	8
Shielded	yes
Cable type	Ethernet 10 Gbit [94F] Ethernet 10 Gbit 94F
Conductor structure	4x2xAWG26/7; S/FTP
AWG signal line	26
Conductor cross-section	4x 2x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.05 mm
External cable diameter	6.40 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Material wire insulation	Foamed PE
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs for core
Shielding	Tinned copper braided shield

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Optical shield covering	70 %
Insulation resistance	≥ 500 MΩ*km
Loop resistance	≤ 290.00 Ω/km
Wave impedance	100 Ω ±5 Ω (at 100 MHz)
Nominal voltage, cable	≤ 100 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	4 x D
Minimum bending radius, flexible installation	8 x D
Smallest bending radius, fixed installation	26 mm
Smallest bending radius, movable installation	51 mm
Halogen-free	according to IEC 60754-1
Flame resistance	according to IEC 60332-1-2
	in accordance with UN ECE-R 118.03
	according to CSA C 22.2 No. 210-FT1
Resistance to oil	in accordance with DIN EN 60811-404
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (Cable, flexible installation)

Standards and regulations

Standards/specifications	IEC 60603-7
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Classifications

ECLASS

ECLASS-13.0	27440392
ECLASS-15.0	27440392

ETIM

ETIM 10.0	EC002943
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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