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

1387606

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Patch cable, Ethernet CAT6$_A$ (10 Gbps) CAT6$_A$ (10 Gbps), 8-position, Plug straight RJ45 / IP20, on Plug straight RJ45 / IP20, cable length: Free input (0.2 m ... 100.0 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)
- Future-proof high-speed data transmission with up to 10 Gbps (CAT6_A)

ELEKTROGERÄTE RÜCKNAHME

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

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

Signaling

Status display	no

Electrical properties

Rated current	1.5 A
Transmission speed	10 Gbps
Transmission characteristics (category)	$CAT6_A$

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	14 mm
Height	14.8 mm
Length	44.2 mm

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
Handle color	black
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20

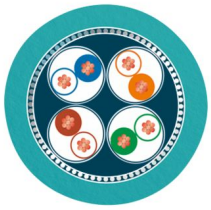
Connection 2

Type	Plug straight RJ45 / IP20
Number of positions	8
Shielded	yes
Handle color	black
Insertion/withdrawal cycles	> 750
Degree of protection	IP20

Cable/line

Cable length	Free input (0.2 m ... 100.0 m)

Ethernet 10 Gbit [94F]

Dimensional drawing	
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 mm²
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
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)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
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

Classifications

ECLASS

ECLASS-13.0	27440392
ECLASS-15.0	27440392

ETIM

ETIM 10.0	EC002943

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	37.784 kg CO2e

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