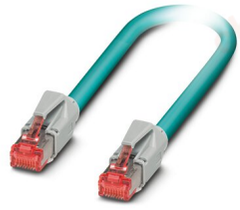
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Network cable - NBC-R4AC/1,0-94B/R4AC

1408950

https://www.phoenixcontact.com/gb/products/1408950

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Assembled Ethernet cable, shielded, 4-pair, AWG 26 stranded (7-wire), RAL 5021 (water blue), RJ45 plug/IP20 to RJ45 plug/IP20, line, length: 1 m

Commercial Data

Item number	1408950
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	ABNAAI
Product Key	ABNAAI
Catalog Page	Page 400 (C-2-2019)
GTIN	4046356856775
Weight per Piece (including packing)	73.7 g
Weight per Piece (excluding packing)	58.99 g
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
No. of cable outlets	1
Shielded	yes
Cable outlet	straight

Insulation characteristics

Degree of pollution	2

LED 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	1 A
Transmission medium	Copper

Material specifications

Flammability rating according to UL 94	V2

Connector

Insertion/withdrawal cycles	≥ 750

Connection 1

Handle color	gray
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C

Connection 2

Handle color	gray
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

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Ambient temperature (operation)	-40 °C ... 60 °C

Cable / line

Cable length	1.00 m
Cable type	Ethernet
Cable structure	4x2xAWG26/7; S/FTP
External cable diameter	6.40 mm
Outer sheath, material	PUR
External sheath, color	water blue RAL 5021
Conductor material	Bare Cu litz wires
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Wire diameter incl. insulation	1 mm
Single wire, color	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Wave impedance	100 Ω ±15 % (at 1 ... 100 MHz)
Smallest bending radius, fixed installation	min. 32 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 32 mm (Cable, flexible installation)
Smallest bending radius, fixed installation	min. 32 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 32 mm (Cable, flexible installation)

Ambient conditions

Degree of protection	IP20 (RJ45 connector)
Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 70 °C (RJ45 connector)

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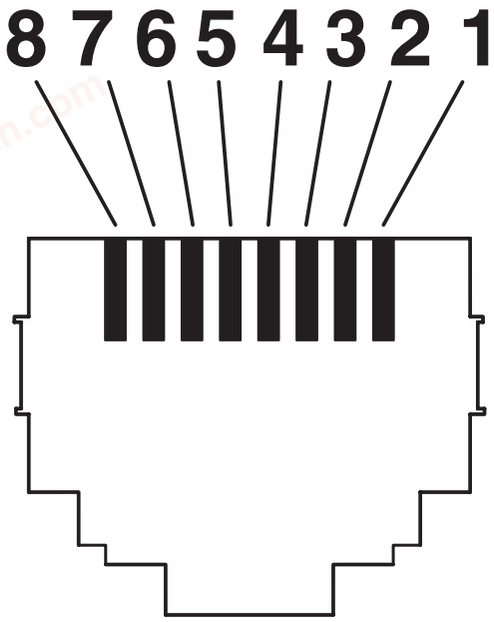
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Drawings

Schematic diagram



Connector pin assignment plug RJ45

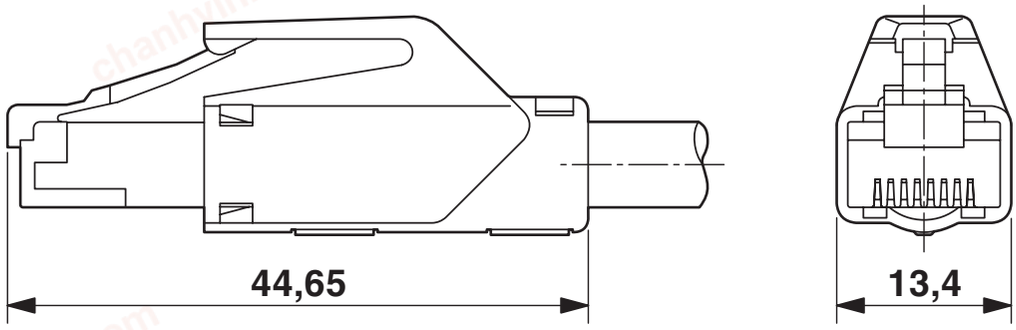
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1408950

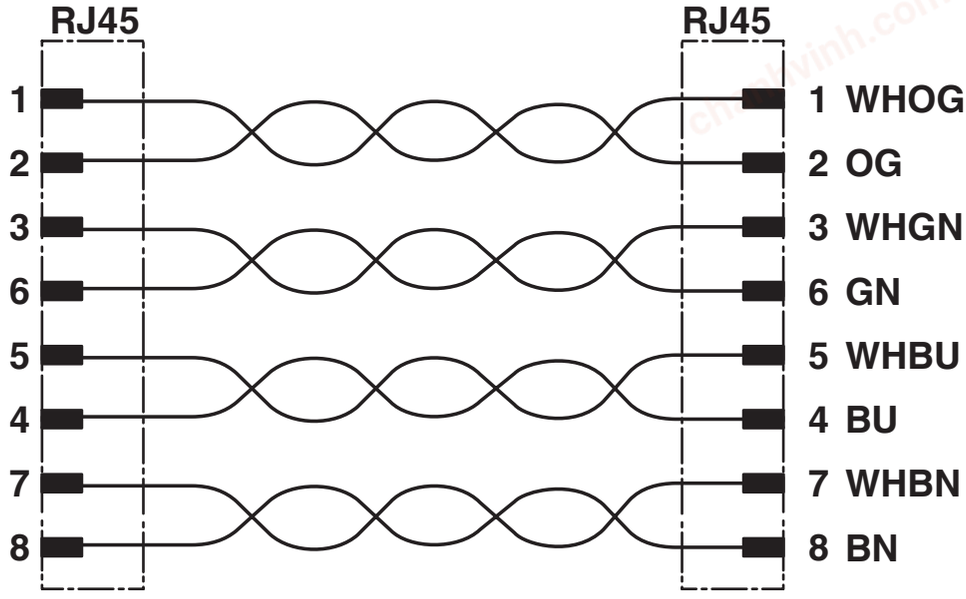
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Dimensional drawing



RJ45 connector, IP20

Circuit diagram



Contact assignment of RJ45 plugs

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Approvals

EAC
Approval ID: 19060508

EAC
Approval ID: B.00385/20

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Classifications

ECLASS

ECLASS-9.0	27060308
ECLASS-10.0.1	27060308
ECLASS-11.0	27060308

ETIM

ETIM 8.0	EC002599

UNSPSC

UNSPSC 21.0	26121600

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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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