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Network cable - NBC-R4RC/5,0-93B/R4RC

1408972

https://www.phoenixcontact.com/gb/products/1408972

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Assembled PROFINET cable, CAT5e, shielded, star quad, AWG 22 stranded (7-wire), RAL 6018 (yellow-green), RJ45 plug/IP67 push-pull metal housing on RJ45 plug/IP67 push-pull metal housing, line, length: 5 m

Commercial Data

Item number	1408972
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	ABNEAI
Product Key	ABNEAI
Catalog Page	Page 396 (C-2-2019)
GTIN	4046356857017
Weight per Piece (including packing)	462.3 g
Weight per Piece (excluding packing)	458.4 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	4
Connection profile	RJ45 8(4)
No. of cable outlets	1
Number of slots	1
Locking type	Push Pull
Shielded	yes
Cable outlet	straight

Insulation characteristics

Overvoltage category	I
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	V0

Connector

Insertion/withdrawal cycles	≥ 250

Connection 1

Handle color	silver
Material	CuSn (Contact)
	Ni/Au (Contact surface)
	PC (Contact carriers)
	Zinc die-cast, nickel-plated (Housing)
Insertion/withdrawal cycles	≥ 750
Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 70 °C

Connection 2

Handle color	silver
	CuSn (Contact)

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Material	Ni/Au (Contact surface)
	PC (Contact carriers)
	Zinc die-cast, nickel-plated (Housing)
Insertion/withdrawal cycles	≥ 750
Ambient temperature (operation)	-40 °C ... 70 °C

Cable / line

Cable length	5.00 m
Cable weight	67.00 kg/km
Cable type	PROFINET
Cable structure	1x4xAWG22/7; SF/TQ
External cable diameter	6.50 mm
Outer sheath, material	PVC
External sheath, color	green RAL 6018
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Wire diameter incl. insulation	1.55 mm
Single wire, color	White, yellow, blue, orange
Wave impedance	100 Ω ±15 Ω (at 1 ... 100 MHz)
Smallest bending radius, fixed installation	min. 19.5 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 45.5 mm (Cable, flexible installation)
Smallest bending radius, fixed installation	min. 19.5 mm (cable, fixed installation)
Smallest bending radius, movable installation	min. 45.5 mm (Cable, flexible installation)

Ambient conditions

Degree of protection	IP67 (RJ45 connector)
Degree of protection	IP65/IP67
Ambient temperature (operation)	-40 °C ... 70 °C (RJ45 connector)

Standards and regulations

Standards/specifications	IEC PAS 61076-3-117

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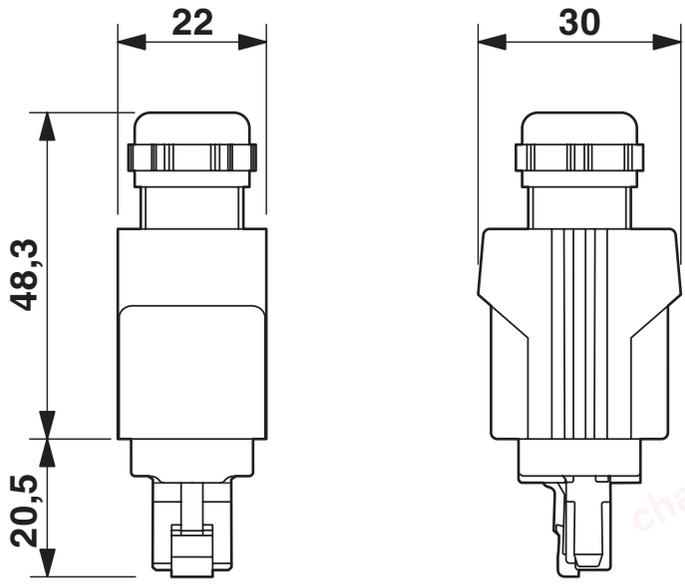
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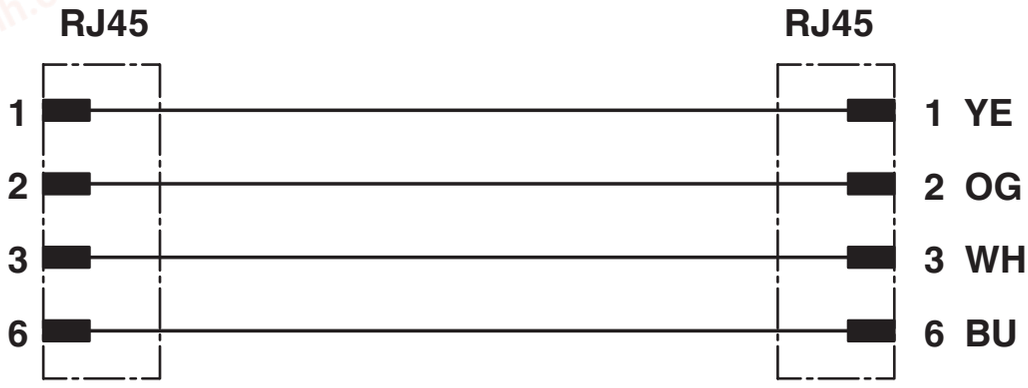
Drawings

Dimensional drawing



RJ45 Push-Pull connector, IP67

Circuit diagram



Contact assignment of RJ45 plugs

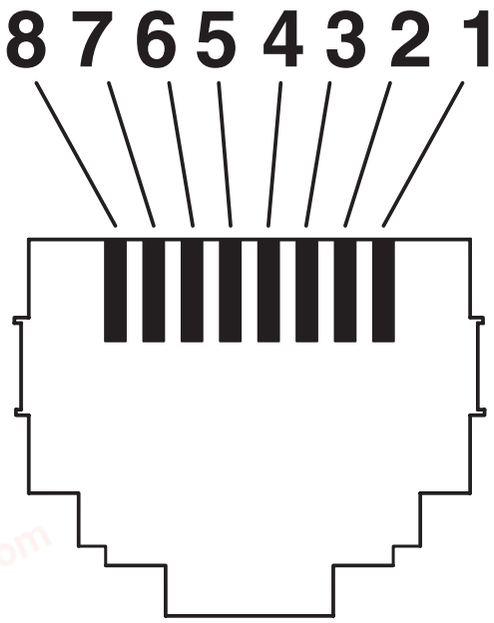
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Schematic diagram



Connector pin assignment plug RJ45

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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 = 50 years
	For information on hazardous substances, refer to the manufacturer’s declaration available under “Downloads”

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