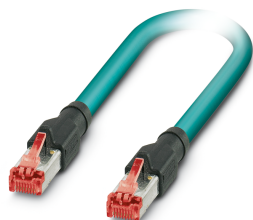


Network cable - NBC-R4AC/1,0-94Z/R4AC - 1403927

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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



Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356673945

Technical data

Dimensions

Length of cable	1.00 m
Fixed cable length	1 m

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C (RJ45 connector)
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General data

Number of positions	8
Flammability rating according to UL 94	V2
Degree of pollution	2
Alternative short product description	Ethernet cable
Rated voltage (III/3)	72 V (DC)
Insertion/withdrawal cycles	≥ 750
Transmission characteristics (category)	CAT5
Transmission speed	1 Gbps

Characteristics head 1

Color	gray
Material (component)	CuSn (Contact)

Network cable - NBC-R4AC/1,0-94Z/R4AC - 1403927

Technical data

Characteristics head 1

	Ni/Au (Contact surface)
	PC (Contact carriers)
	PA (Housing)
Insertion/withdrawal cycles	≥ 750

Characteristics head 2

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

Cable

Cable type	Ethernet flexible CAT5, 4-pair, SF/UTP
Cable type (abbreviation)	94Z
Signal type/category	Ethernet CAT5 (IEC 11801), 1 Gbps
Cable structure	4x2xAWG26/7; SF/UTP
Conductor cross section	4x 2x 0.14 mm ²
AWG signal line	26
Conductor structure signal line	7x 0.16 mm
Core diameter including insulation	0.92 mm
Thickness, insulation	0.19 mm (Signal line)
Wire colors	white/blue-blue, white/orange-orange, white/green-green, white/brown-brown
Twisted pairs	2 cores to the pair
Overall twist	4 pairs
Shielding	Tinned copper braided shield
Optical shield covering	85 %
External sheath, color	water blue RAL 5021
External cable diameter D	6.2 mm ±0.2 mm
Smallest bending radius, fixed installation	51.2 mm
Smallest bending radius, movable installation	51.2 mm
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 500 MΩ*km (at 20 °C)
Conductor resistance	≤ 290 Ω/km (at 20 °C)
Wave impedance	100 Ω ±15 Ω (at 100 MHz)
Test voltage Core/Core	700 V (50 Hz, 1 min.)
Test voltage Core/Shield	700 V (50 Hz, 1 min.)
Flame resistance	IEC 60332-1-2

Network cable - NBC-R4AC/1,0-94Z/R4AC - 1403927

Technical data

Cable

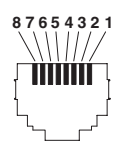
Halogen-free	according to IEC 60754-1
Resistance to oil	in accordance with DIN EN 60811-2-1
Ambient temperature (installation)	-20 °C ... 80 °C
Shielded	yes

Environmental Product Compliance

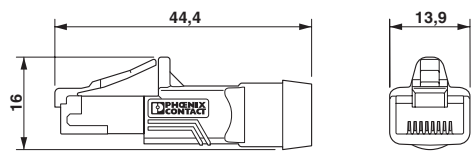
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Schematic diagram



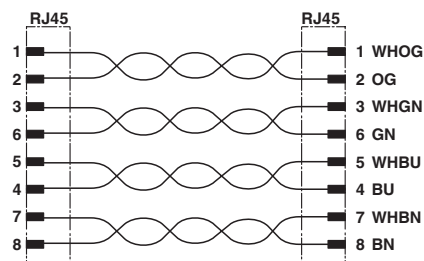
Dimensional drawing



RJ45 connector, IP20

Connector pin assignment plug RJ45

Circuit diagram



Contact assignment of RJ45 plugs

Classifications

eCI@ss

eCI@ss 10.0.1	27060308
eCI@ss 11.0	27060308
eCI@ss 5.1	27061801
eCI@ss 6.0	27061801
eCI@ss 7.0	27060308
eCI@ss 9.0	27060308

Network cable - NBC-R4AC/1,0-94Z/R4AC - 1403927

Classifications

ETIM

ETIM 4.0	EC000830
ETIM 6.0	EC001262
ETIM 7.0	EC002599

UNSPSC

UNSPSC 13.2	26121604
UNSPSC 18.0	26121604
UNSPSC 19.0	26121604
UNSPSC 20.0	26121604
UNSPSC 21.0	26121600

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		19060508
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