


2171513	DATA SHEET	
Valid from: 17.09.2018	IE-5-RJ45-(L*)-H-4-26-7-RJ45	

Product description

Industrial Ethernet Patchcord, Cat.5e, straight plug RJ45
on straight plug RJ45, PUR, flexible, 4-pair



This datasheet is also valid for other lengths
configurations. Other lengths configurations on request.

Product variations

Article number	Article description	Length (L*) [m]
2171513	IE-5-RJ45-1-H-4-26-7-RJ45	1
2171514	IE-5-RJ45-2-H-4-26-7-RJ45	2
2171515	IE-5-RJ45-3-H-4-26-7-RJ45	3
2171516	IE-5-RJ45-5-H-4-26-7-RJ45	5
2171517	IE-5-RJ45-10-H-4-26-7-RJ45	10
2171518	IE-5-RJ45-20-H-4-26-7-RJ45	20


General properties, Patchcord

Outer diameter, cable	6.1 mm
Number of cores	8
Outer sheath	halogen free compound
Outer sheath, color	blue similar to RAL 5021

General properties, cable

LAPP-Article number of cable	2170299
LAPP-Description of cable	ETHERLINE H Flex Cat. 5e
Conductor, cross-section	ca. 0.14 mm ²
Conductor, material	bare stranded copper
Insulation, outer diameter	ca. 0.95 mm
Insulation, material	Foam-Skin PE
Core identification code	pair 1: white-orange, orange; pair 2: white-green, green pair 3: white-blue, blue; pair 4: white-brown, brown
Stranding	cores twisted to pairs, pairs twisted together
Wrapping	non-woven tape
Screening	plastic laminated aluminum foil on top: braid of copper wire, tinned wire, coverage ca. 85%

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB2171513EN Version: 06	Page 1 of 3
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Electrical properties, cable at 20°C

Resistance (loop)	$\leq 284 \Omega/\text{km}$
Insulation material, specific electrical resistance	$\geq 5 \text{ G}\Omega \cdot \text{km}$
Characteristic impedance (1 MHz to 100 MHz)	$100 \Omega \pm 15 \Omega$
Operating peak voltage	125 V (not for power purposes)
Signal propagation time	$< 5.2 \text{ ns/m}$
Test voltage (rms 50 Hz, 1 min.), core-core	700 V
Test voltage (rms 50 Hz, 1 min.), core-screening	700 V

Mechanical and thermal properties, cable

Minimum bending radius, during laying	15 x cable diameter
Minimum bending radius, fixed installation	8 x cable diameter
Permissible temperature range, during laying (VDE)	-5 °C to + 50 °C
Permissible temperature range, fixed installation (UL)	-20 °C to +75 °C
Flame retardant	flame retardant acc. to IEC 60332-1-2
Halogen free	halogen free acc. to IEC 60754-1/EN 50267-2-1
General requirements	Dangerous and forbidden substance acc. to RoHS directive (2011/65/EU) are not allowed to the manufacturing

General properties, RJ45 connector

Protection degree	IP20
Rated voltage max.	50 V
Rated current at 40 °C	1 A
Ambient temperature	-40 °C to +70 °C
Insulation resistance	$\geq 10^8 \Omega$


Materials RJ45, connector

Contacts, base material	CuZn
Contacts, surface	Au
Grip body	TPU

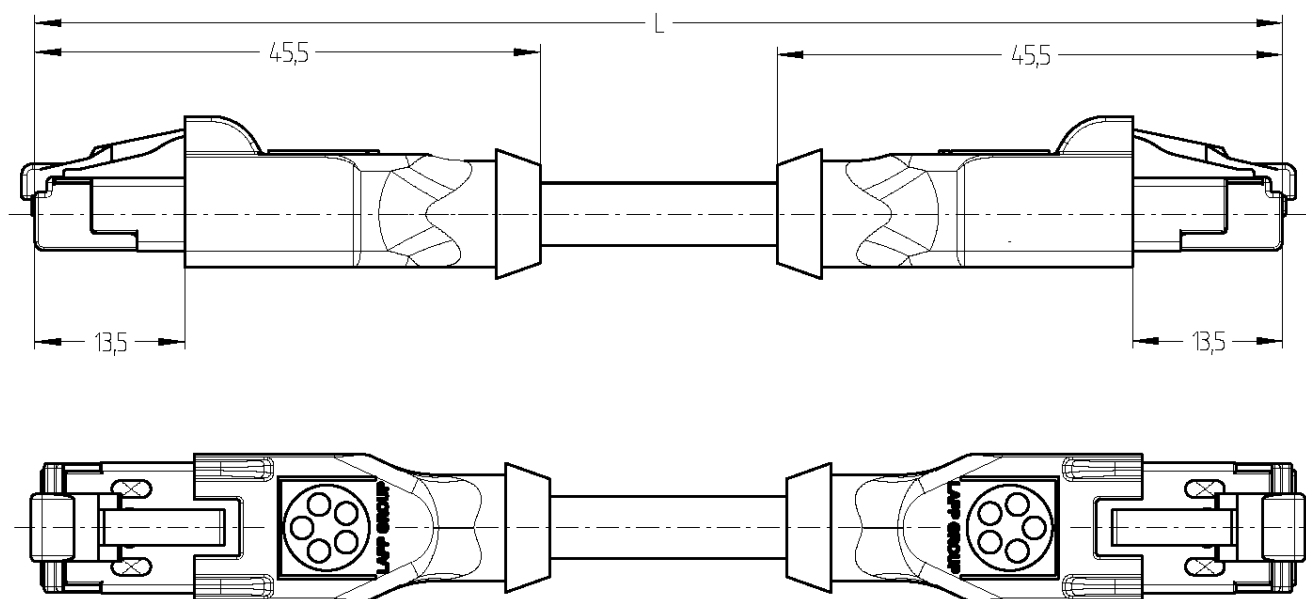
Standards

Product standard, RJ45 connector	DIN EN 60603-7-51
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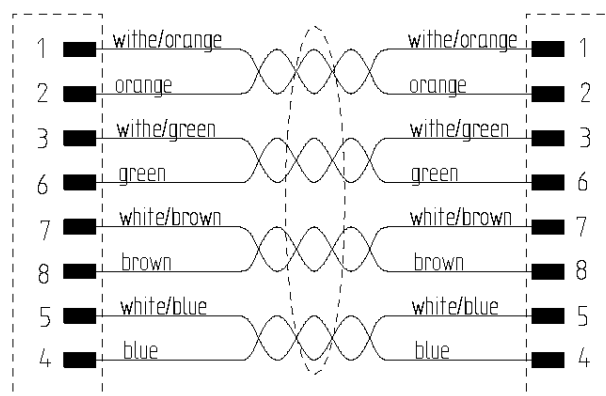
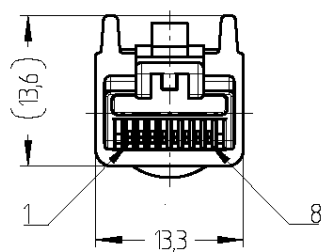
Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB2171513EN Version: 06	Page 2 of 3
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Drawings



pin assignment



shield connected!

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

Creator: MANA2/PDP Released: IVSE1/PDP	Document: DB2171513EN Version: 06	Page 3 of 3
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