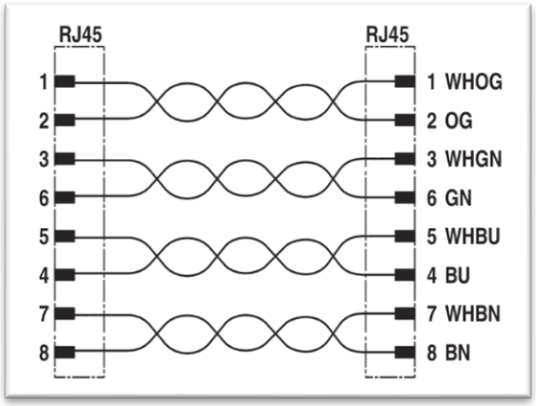
Product Data sheet

Industrial Ethernet Cable – Extension Cable

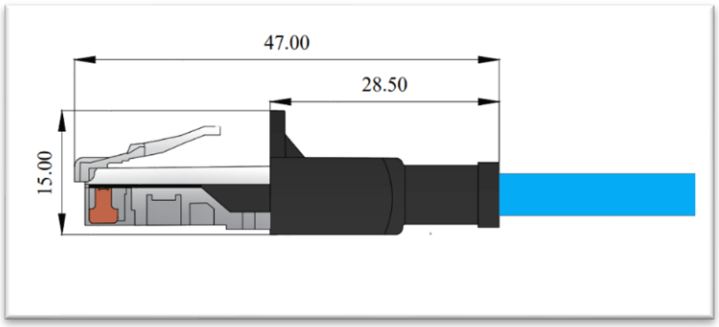
- Product Description- RJ45 Male 0° / RJ45 Male 0° 8P8C CAT 6A Pvc Unshielded Blue Cable
- MPN- 2445-9696-0038-814-XXXX-Bl
- Series –RJ45 Cord Set

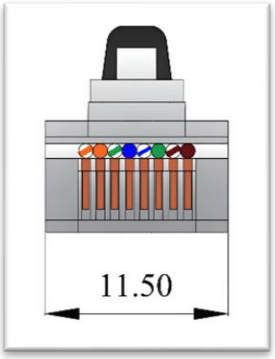
Illustration





- -Colour customization available based on MOQ





Product may differ from image

Product Datasheet Rev.No-02 Effective date-26-08-2026

The information in this product PDF has been complied with the utmost care
Liability for the correctness completeness and topicality of the information is restricted to gross negligence.

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Factory Address: 2347/B Wagholi Warehouse, Pune Nagar Road, Wagholi, Pune- 412207, Maharashtra, India.

Product Data sheet

Industrial Ethernet Cable – Extension Cable

Technical Data

Operating voltage	60V AC/DC*
Rated Surge Voltage	1 kV
Operating current per contact AMP	Max. 1.5 A
Connection type head A	RJ45, 8-Pin, Male Straight
Connection type head B	RJ45, 8-Pin, Male Straight
Protection	IP20
Housing Material	TPU
LED display	No
Connector colour	Transparent

Electrical Data

Overvoltage category	II
Contact resistance	≤ 20 mΩ
Insulation resistance	≥ 500 mΩ
Test voltage	≥ 1500 V
Conductor material	Cu wire
Max. conductor resistance	Max. 140 Ω/km (at 20 °c)
Nominal voltage	≤ 600 v
Frequency Range	Up to 500 MHz

Mechanical Data

Insertion/withdrawal cycles	≥ 750
Insertion force per signal contact	<20 N

Product properties

Application	Ethernet, Data transmission
Partly UV-resistant	in accordance with DIN EN ISO 4892-2-A
Flammability rating According to UL 94	V2

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Product Data sheet

Industrial Ethernet Cable – Extension Cable

General Data	
Category	CAT6A
Mounting method	Inserted
Pin Contact	CuZn Gold plated
Housing contact	CuZn
Material (contact surface)	Au
Pollution Degree	3
Transmission Speed	10 Gbps
Temperature range	-25….+105°C

Cable Data	
Cable Type	PVC
Cable weight	65 g/m
Conductor Cross Section	4*2*0.14 mm².
AWG	Similar to AWG 26
Material (wire isolation)	PP
Material property (wire isolation)	Halogen-, CFC-, cadmium-, silicone- and lead-free
Colour/numbering of wires	White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/ Brown, Brown
Twisted Pairs	2 Cores to the pair
Shield	NO
Shielding	NA
Optical shield covering	NA
Material (jacket)	PVC
Outer-Ø (jacket)	6.20 ±0.2mm
Colour (jacket)	Blue
Chemical resistance	Good resistance to oil, gasoline and chemicals (EN 60811-404)
Thermal resistance	Flame retardant UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
Temperature range (fixed)	-40...+80 °C, (+105 °C. at max. 10 000 operating hours)
Temperature range (mobile)	-25...+80 °C, (+105 °C. at max. 10 000 operating hours)
Bend radius (fixed)	5× outer Ø

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Product Data sheet

Industrial Ethernet Cable – Extension Cable

Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	35 Mio. (25 °C)
Acceleration (C-track)	Max. 2.4 m/s
Torsion stress	±270 °/m
No. of torsion cycles	max.3 Mio(25°c)
Torsion speed	60 cycle/min

Approvals

	UL
	CE
	cULus
	RoHS

Note: This product has been manufactured by the following Class-I, Class-II and class-III **IPC** standards

To understand the MPN please refer the below table

2445-9696-0038-814-XXXX-Bl	
24	Series
45	RJ45 Connector
96	Male Straight
96	Male Straight
0	No Code
03	CAT6A PVC Unshielded
8	Pole Connector
8	8 Core
14	0.14 mm² (Core size)
XXXX	Cable length as per customer requirement
Bl	Blue Cable

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