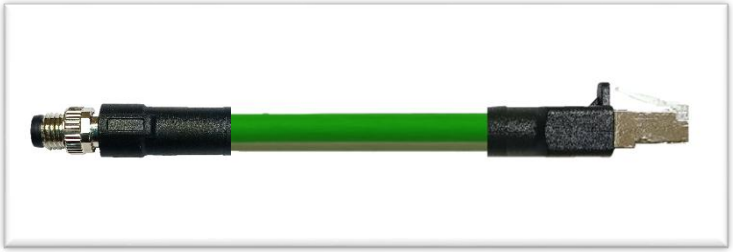
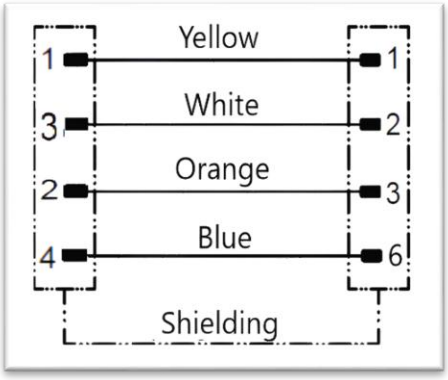
Product Data sheet

Industrial Ethernet Cable – Extension Cable

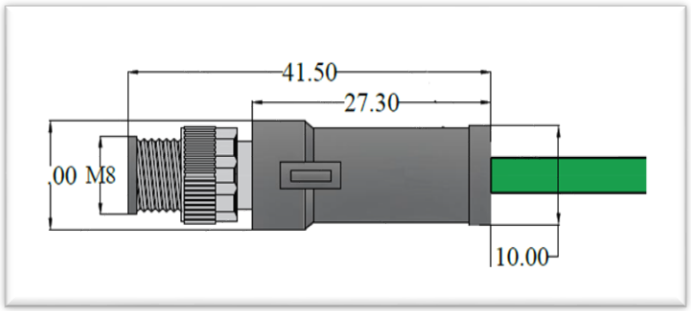
- Product Description- M8 Male Straight D Code to Rj45 Male Straight Pur Shielded Green Cable
- 24845-9696-4948-414-XXXX-Gn
- Series –M8 To RJ45 Cordset

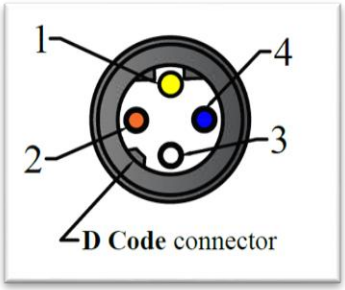
Illustration

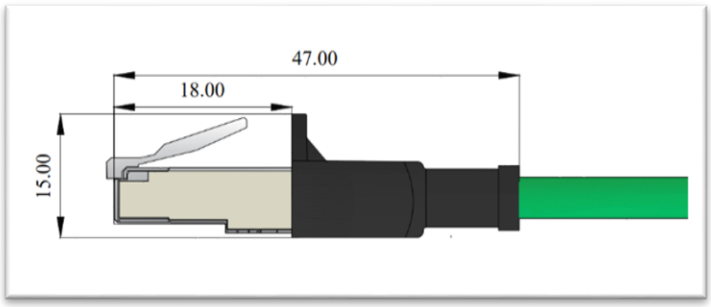


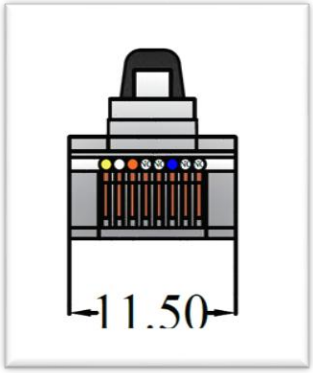


-Colour customization available based on MOQ









Product may differ from image

Product Datasheet Rev.No-02 Effective date-11-11-2025

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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	300V AC/DC*
Rated Surge Voltage	1.5 kV
Operating current per contact AMP	Max. 4 A
Connection type head A	M8, 4-pin, Straight, D coded Male Connector
Connection type head B	RJ45, 8-pin, Straight, Male connector
Protection	IP67, IP68, IP69
Housing Material	TPU
Locking nut material	Brass, Nickel plated
Locking of ports Inserted	Locking of ports Inserted
LED display	No
Connector colour	Black
Tightening torque	0.4 Nm
Frequency range	Up to 100 MHz
Transmission speed	1000 MB/s

Electrical Data	
Overvoltage category	II
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 mΩ
Test voltage	≥ 3000 V
Conductor material	Bare Cu wires
Max. conductor resistance	Max. 78 Ω/km (at 20 °c)
Nominal voltage	≤ 300

Mechanical Data	
Insertion/withdrawal cycles	≥ 100

Product properties		
Application	Actuator-sensor, gigabit ethernet & Profibus	
Partly UV-resistant	in accordance with DIN	EN ISO 4892-2-A
Flammability rating According to UL 94	HB	

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Product Data sheet

Industrial Ethernet Cable – Extension Cable

General Data	
Standards	IEC-61076-2-101 (M8), IEC 60603-7(RJ45)
Mounting method	Tightened, Inserted
Pin Contact	CuZn Gold Plated
Housing contact	CuSn
Material (contact surface)	Au
Pollution Degree	3
Stripping length (jacket)	20 mm (If required)
Temperature range	-25…. +105°C

Cable Data	
Category	CAT5e
Cable Type	PUR
Cable weight	35 g/m
Diameter (core)	4*0.14 mm².
AWG	similar to AWG 26
Material (wire isolation)	PUR
Material property (wire isolation)	Halogen-, CFC-, cadmium-, silicone- and lead-free
Colour/numbering of wires	Yellow, Orange, White, Blue
Stranding combination	4 wires twisted
Shield	Yes
Shielding	Tin braided
Optical shield covering	Min. 85%
Material (jacket)	PUR
Outer-Ø (jacket)	5.0 ±0.2mm
Colour (jacket)	Green
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)	8× outer Ø
Bend radius (moving)	12× outer Ø
No. of bending cycles (C-track)	10 Mio. (25 °C)

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Product Data sheet

Industrial Ethernet Cable – Extension Cable

Acceleration (C-track)	Max. 10 m/s
Torsion stress	±180°/m
No. of torsion cycles	max.2 Mio(25°c)
Torsion speed	35 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

24845-9696-4948-414-XXXX-Gn	
24	Series
8	M8 connector
45	RJ45 Connector
96	Male Straight (M8 Connector)
96	Male Straight (RJ45 Connector)
4	D code
9	CAT5e PUR shielded cable
4	4 Pole (M8 Connector)
8	8 Pole (RJ45 Connector)
4	4 Core
0.14	0.14 mm² (Core size)
XXXX	As per customer requirement
Gn	Green

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