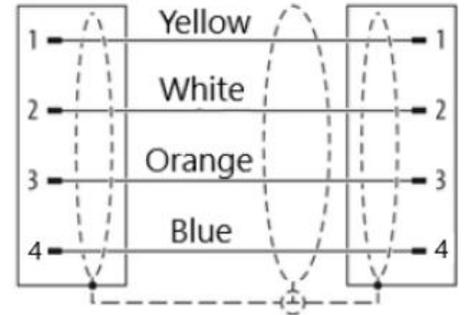


# Product Data Sheet

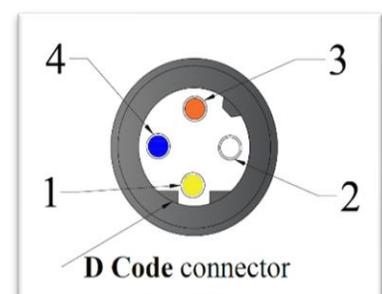
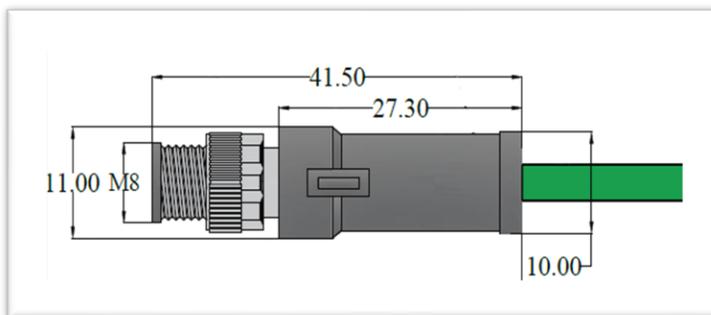
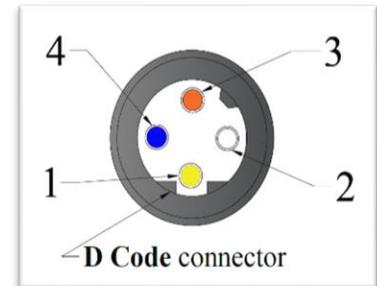
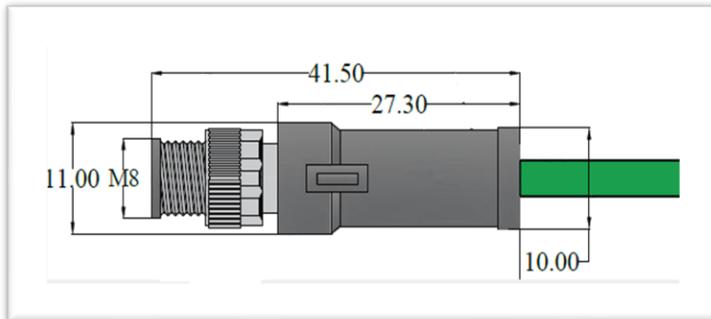
## Industrial Ethernet Cable

- ❖ Product Description- M8 Male Straight D Code to M8 Male Straight D Code Pur Shielded Green Cable
- ❖ MPN-248-9696-494-414-XXXX-Gn
- ❖ Series –M8 Cordset

### Illustration



-Colour customization available based on MOQ



Product may differ from image



Product Datasheet Rev.No-02 Effective date-25-11-2025

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Office Address: Ground Floor Plot No, G-8/7, Ranjangaon Industrial Area Shirur Road Karegaon, Ranjangaon MIDC, Pune Maharashtra-412220 India. Contact- info@leiindias.com; sales@leiindias.com; www.leiindias.com; +91-7448296005; +91-020-66205306 GST No-27AACCL5628E1ZL  
Factory Address: 2347/B Wagholi Warehouse, Pune Nagar Road, Wagholi, Pune- 412207, Maharashtra, India.

# Product Data Sheet

## Industrial Ethernet 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 Straight, 4-Pin, D Coded, Male Connector
Connection type head B	M8 Straight, 4-Pin, D Coded, 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

### General Data

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

### Cable Data

<b>Category</b>	CAT5e
<b>Cable Type</b>	PUR
<b>Cable weight</b>	35 g/m
<b>Diameter (core)</b>	4*0.14 mm <sup>2</sup> .
<b>AWG</b>	similar to AWG 26
<b>Material (wire isolation)</b>	PUR
<b>Material property (wire isolation)</b>	Halogen-, CFC-, cadmium-, silicone- and lead-free
<b>Colour/numbering of wires</b>	Yellow, Orange, White, Blue
<b>Stranding combination</b>	4 wires
<b>Shield</b>	Yes
<b>Shielding</b>	Tin braided
<b>Optical shield covering</b>	Min. 85%
<b>Material (jacket)</b>	PUR
<b>Outer-Ø (jacket)</b>	5.0 ±0.2mm
<b>Colour (jacket)</b>	Green
<b>Chemical resistance</b>	good resistance to oil, gasoline and chemicals (EN 60811-404)
<b>Thermal resistance</b>	flame retardant UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2
<b>Temperature range (fixed)</b>	-40...+80 °C, (+105 °C. at max. 10 000 operating hours)
<b>Temperature range (mobile)</b>	-25...+80 °C, (+105 °C. at max. 10 000 operating hours)
<b>Bend radius (fixed)</b>	8× outer Ø
<b>Bend radius (moving)</b>	12× outer Ø
<b>No. of bending cycles (C-track)</b>	10 Mio. (25 °C)

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## Product Data Sheet

### Industrial Ethernet Cable

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

248-9696-494-414-XXXX-Gn	
24	Series
8	M8 connector
96	Male Straight (M8 Connector)
96	Male Straight (M8 Connector)
4	D code
9	CAT5e PUR Shielded
4	4 Pole
4	4 Core
0.14	0.14 mm <sup>2</sup> (Core size)
XXXX	As per customer requirement
Gn	Green Cable

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