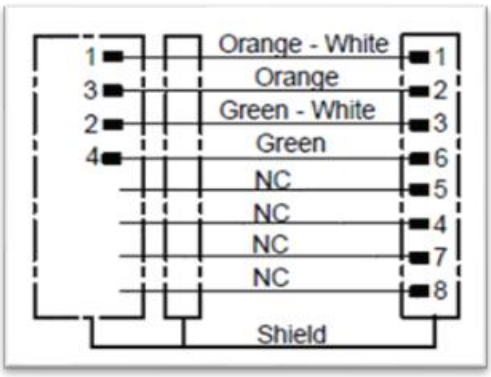
Product Data sheet

Sensors and Actuator

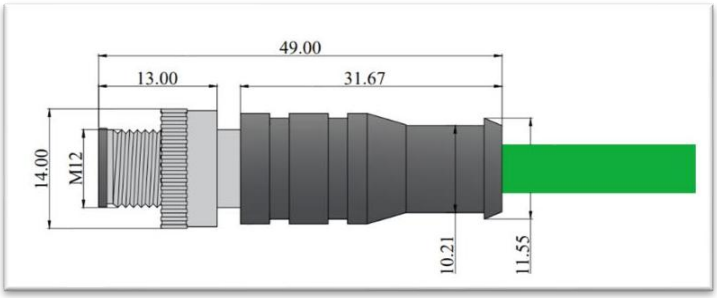
- Product description- M12 Male Straight D Code to RJ45 Male Straight Pur Shielded Green Cable
- MPN-241245-9696-40948-814-XXXX-Gn
- Serie- M12 to RJ45 Cordset

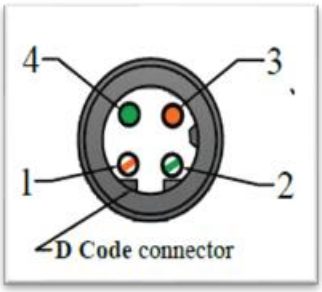
Illustration

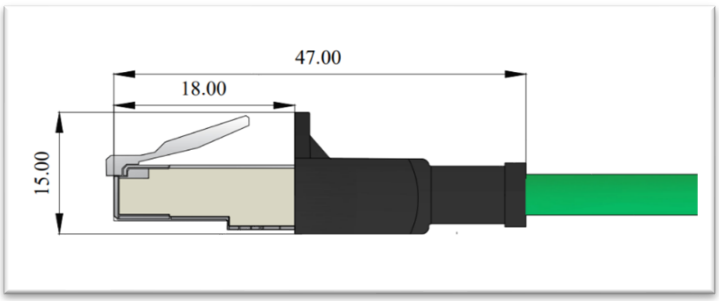


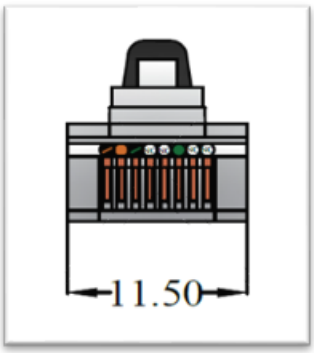


-Colour customization available based on MOQ









Product may differ from image

The information in this product PDF has been complied with the utmost care
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Factory Address: 2347/B Wagholi Warehouse, Pune Nagar Road, Wagholi, Pune- 412207, Maharashtra, India.

Product Data sheet

Sensors and Actuator

Technical Data	
Operating voltage	Max. 60 V DC*
Rated Surge Voltage	1.0 kV
Operating current per contact AMP	Max. 1.5 A
Connection type head A	Male connector, M12 Straight, 4-pin, D coded
Connection type head B	Male connector, RJ45 Straight, 8-pin
Transfer parameters	Cat 6a
Transfer rate	100 Mbit/s
Locking of ports	Screw threaded
Protection	IP67, IP68, IP69.
Mechanical Life-cycle	Min. 100 Mating cycle
Housing Material	TPU, Black
Material Group	IEC 60664-1, Category |
Locking nut material	Nickel plated
Tightening torque	0.4 Nm

General Data	
Standards	IEC 61076-2-101(M12), IEC 60603-7(RJ45)
Mounting method	Inserted, tightened.
Contact Material	CuSn, Gold plated
Material (contact surface)	Au
Pollution Degree	3
Overvoltage Category	|||
Flammability Rating according to UL 94	V0
Temperature range	-25…. +105°C* (depending on Cable)

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Product Data sheet

Sensors and Actuator

Cable Data	
Cable Type	CAT 6A PUR Shielded
Approval (cable)	UL, cULus, CE conformity, RoHS
Diameter (core)	8*0.14 mm².
AWG	similar to AWG 22
Material (wire isolation)	PE.
Material property (wire isolation)	CFC-, Halogen-, cadmium-, silicone- and lead-free.
Colour/numbering of wires	White/Orange, Orange, White/Green, Blue, White/Blue, Green, White/ Brown, Brown
Stranding combination	8 wires
Shield	Yes
Shielding	Tin Braided
Optical shield covering	Min 80%
Material (jacket)	PUR (UL/CSA)
Outer-Ø (jacket)	6.2mm ±0.2mm
Colour (jacket)	Green, similar RAL6018
Material properties (outer surface)	CFC-, Halogen-, cadmium-, silicone- and ad-free.
Material (conductor)	Tinned Stranded Copper
Chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Thermal resistance	According to IEC 60332-2-2
Nominal voltage	300 V AC
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
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	5 Mio. (25 °C)
No. of Torsion cycles (C-track)	5 Mio. Cycles

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Product Data sheet

Sensors and Actuator

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

241245-9696-40948-814-XXXX-Gn	
24	Series
12	M12 Connector
45	RJ45 Connector
96	Male Straight (M12)
96	Male Straight (RJ45)
4	D code
09	CAT6A PUR shielded
4	4 Pole (M12 Male Connector)
8	8 Pole (RJ45 Connector)
8	8 Core
14	0.14 mm² (Core size)
XXXX	As per customer requirement
Gn	Green Cable

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