

All dimensions are in mm.

M12 Male & RJ45

General Specification

Rated Operational Voltage	50 V AC / 60 V DC
Current Rating	0.5A
Insulation Resistance	>= 100 MΩ
Temperature Range	-25°C ... +85°C
Degree of Protection	M12:IP67 / RJ45:IP20
Coding	X-coded
Standard	IEC 61076-2-109

Material Specification

M12

Grip Material	PU
Contact	Cu-Zn
Contact Plating	Gold Flash
Contact Carrier	Nylon 66
O-Ring	Neoprene
Grip Colour	Black
Coupling Nut	Brass Nickel-Plated
X-shell	Zinc Alloy

RJ45

Grip Material	PVC
Contact Carrier	Polycarbonate
Contact	Phosphor Bronze
Contact Plating	Gold Flash

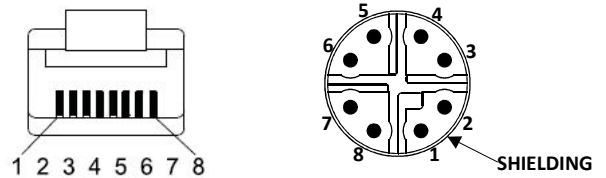
Cable Specification

Cable Length-L	2 m
Cable Type	Cat6 (4 x 2 Twisted Pair)
Sheath Colour	Grey
Cross Section of Wire	AWG 26/7
Cable Dia	6.8 ± 0.1 mm
Termination	RJ45
Transfer Parameters	CAT6
Transfer Rate	10 Gbit/s

*Testing Under Progress at TUV Rheinland.

Specifications are subject to change without notice.

Pin Assignment



Wiring Diagram

M12	Colour	RJ45
1	white/orange	1
2	orange	2
3	white/green	3
4	green	6
5	white/brown	7
6	brown	8
7	white/blue	5
8	blue	4
shield		



future sense