

M12 Circular Connector



Dual M12 Male Straight to RJ45 8 Pin Connector

Product Image



Product may differ from image.

General Specification

Rated Operational Voltage	30 V
Current Rating	0.5A
Insulation Resistance	$\geq 100 \text{ M}\Omega$
Temperature Range	-25°C ... +75°C
Tightening Torque	0.6 Nm (M12)
Degree of Protection	M12:IP67 / RJ45:IP20
Coding	A-coded

Material Specification

	M12	RJ45
Grip Material	PU	PBT
Contact	Cu-Zn	Phosphor Bronze
Contact Plating	Gold Flash	Gold Flash
Contact Carrier	Nylon 66	PBT
O-Ring	Neoprene	
Grip Colour	Black	Black
Coupling Nut	Brass Nickel-Plated	Brass Nickel-Plated

Cable Specification

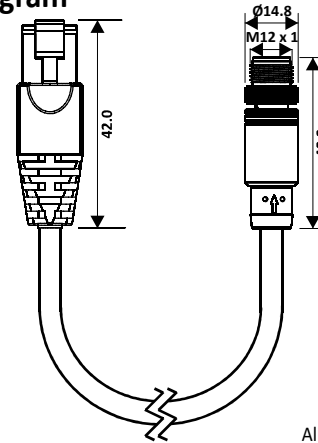
Cable Length-L	2 m
Cable Type	Cat6A (4 x 2 Twisted Pair)
Sheath Colour	Green
Cross Section of Wire	AWG 26/7
Cable Dia	$6.8 \pm 0.1 \text{ mm}$
Termination	RJ45
Transfer Parameters	CAT6A
Transfer Rate	10 Gbit/s

Ordering Part No.

Cable Length	Part Number
2 m	CDM12S8-MRJ45-02GVC6-SH
5 m	CDM12S8-MRJ45-05GVC6-SH
10 m	CDM12S8-MRJ45-10GVC6-SH

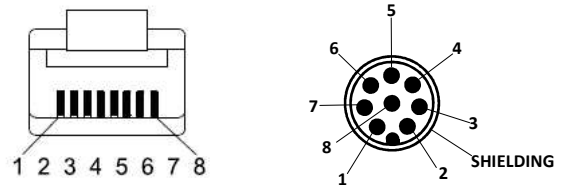
*Please contact factory for customized cable lengths.

Product Diagram



All dimensions are in mm.

Pin Assignment



Wiring Diagram

M12	Colour	RJ45
6	White / Orange	1
4	Orange	2
1	White / Blue	5
7	Blue	4
5	White / Green	3
8	Green	6
2	White / Brown	7
3	Brown	8
Nut	Shield	Shell

Specification & Approval

RoHS	Compliant with Exemption
RoHS exemption	6©: Copper alloy containing up to 4 % lead by weight
REACH SVHC substances	Yes
REACH SVHC substances	CAS 7439-92-1 (Lead)
CE	Yes
Standard	IEC 61076-2-101

