

# M12 Circular Connector



## M12 D-Coded Male to Male Straight 4 Pin Connector

### Product Image



Product may differ from image.

### General Specification

|                           |                                                 |
|---------------------------|-------------------------------------------------|
| Rated Operational Voltage | 250 V                                           |
| Current Rating            | 4A                                              |
| Insulation Resistance     | $\geq 100 \text{ M}\Omega$                      |
| Temperature Range         | $-25^{\circ}\text{C} \dots +75^{\circ}\text{C}$ |
| Tightening Torque         | 0.6 Nm                                          |
| Degree of Protection      | IP67                                            |
| Coding                    | D-coded                                         |

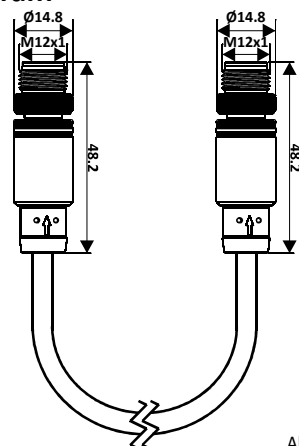
### Material Specification

|                 |                     |
|-----------------|---------------------|
| Grip Material   | PU                  |
| Contact         | Cu-Zn               |
| Contact Plating | Gold Flash          |
| Contact Carrier | Nylon 66            |
| Grip Colour     | Black               |
| Coupling Nut    | Brass Nickel-Plated |

### Cable Specification

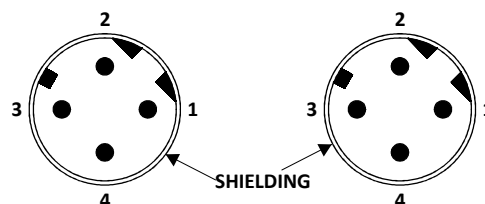
|                                              |                                |
|----------------------------------------------|--------------------------------|
| Cable Length-L                               | 2 m                            |
| Cable Type                                   | Cat5e TPE (2 x 2 Twisted Pair) |
| Sheath Colour                                | Green                          |
| Cross Section of Wire                        | AWG 22                         |
| Cable Dia                                    | $6.5 \pm 0.2 \text{ mm}$       |
| Core Insulation                              | PE                             |
| Transfer Parameters                          | CAT5E                          |
| Transfer Rate                                | up to 100 Mbit/s               |
| Shield Braiding                              | 75%                            |
| Bending Radius St. Position                  | $> 60 \text{ mm}$              |
| Bending Radius Flexible Stress               | $> 30 \text{ mm}$              |
| Oil resistance, Halogen-free, Splatter Proof |                                |

### Product Diagram

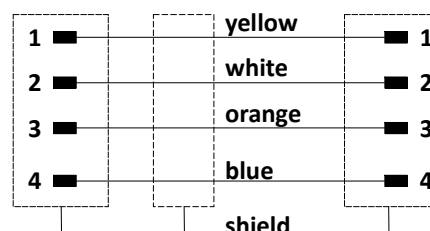


All dimensions are in mm.

### Pin Assignment



### Wiring Diagram



### Specification & Approval

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| RoHS                  | Compliant with Exemption                             |
| RoHS exemption        | 60: 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                                      |

### Ordering Part No.

| Cable Length | Part Number               |
|--------------|---------------------------|
| 2 m          | CDM12S4D-M12S4D-02GTC5-SH |
| 5 m          | CDM12S4D-M12S4D-05GTC5-SH |
| 10 m         | CDM12S4D-M12S4D-10GTC5-SH |

\*Please contact factory for customized cable lengths.

