

M12 Female Molded Cables, Straight, Shielded



The catalog is for reference only. The actual specifications are subject to the product engineering drawings. version 1.0

### Connector Series: M12

|               |                         |
|---------------|-------------------------|
| Gender        | Female                  |
| Coding        | A,B,C,D                 |
| Locking Type  | Fix Screw               |
| Mounting Type | Straight                |
| Part No       | M12-X**-ST2-F02-ZC*-XXX |

### Technical Data

|                       |                |
|-----------------------|----------------|
| Standard              | IEC61076-2-101 |
| Ambient Temperatur    | -25°C~+80°C    |
| Insulation Resistance | ≥100MΩ         |
| Contact Resistance    | ≤5mΩ           |

|                  |                    |
|------------------|--------------------|
| IP Class         | IP67               |
| Mating Endurance | >100 Mating Cycles |

### Material Data

|                     |                               |
|---------------------|-------------------------------|
| Connector Carriers  | PA                            |
| Connector Contacts  | Copper Alloy With Gold Plated |
| Connector Nut/Screw | Zn Alloy With Nickel Plated   |
| Seal/O-Ring         | FKM                           |
| Shielding           | Shielding                     |
| Connector Overmold  | TPU                           |

### Electrical Data & Mechanical Date

|                                |         |         |                          |         |         |         |         |
|--------------------------------|---------|---------|--------------------------|---------|---------|---------|---------|
| Contacts Pin [Pins]            | 3       | 4       | 5                        | 6       | 8       | 12      | 17      |
| Rated Current [A]              | 4       | 4       | 4/2                      | 2       | 2       | 1.5     | 1.5     |
| Voltage AC/DC [V]              | 250/250 | 250/250 | 60/60                    | 30/30   | 30/30   | 30/30   | 30/30   |
| Wire Range AWG/mm <sup>2</sup> | 22/0.34 | 22/0.34 | 22,24/0.34,0.25 (C-code) | 24/0.25 | 24/0.25 | 26/0.14 | 26/0.14 |
| Cable Jacket                   | PUR/PVC |         |                          |         |         |         |         |

### Dimensions

# M12-X\*\*-ST2-F02-ZC\*-XXX

M12 Circular Connector

Download Date:2026-06-29

