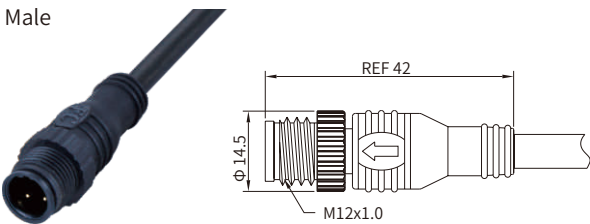


# M12 B-coding (Profibus)

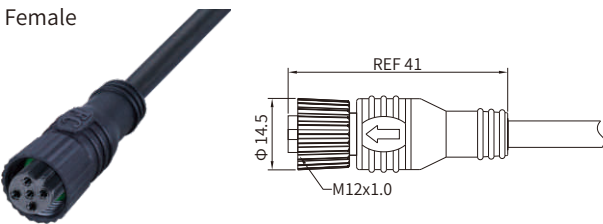


## M12 B-coding Straight Connector, Molded Cable, Plastic

Male



Female



### Specifications

| Contacts               | 3                                                                          | 4 | 5         |
|------------------------|----------------------------------------------------------------------------|---|-----------|
| Certification          | cULus CYJV2(CYJV8).E321413                                                 |   |           |
| Pin layout(Male)       |                                                                            |   |           |
| Pin layout(Female)     |                                                                            |   |           |
| Standard               | IEC 61076-2-101                                                            |   |           |
| Ambient temperature    | -25°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |   |           |
| Connector insert       | TPU                                                                        |   |           |
| Connector contacts     | Brass with gold plated                                                     |   |           |
| Connector overmold     | TPU                                                                        |   |           |
| Coupling nut/screw     | PA+GF                                                                      |   |           |
| Seal/O-ring(of Female) | FKM                                                                        |   |           |
| Insulation resistance  | ≥ 100MΩ                                                                    |   |           |
| Contact resistance     | ≤ 5mΩ                                                                      |   |           |
| Shielding              | Unavailable                                                                |   |           |
| IP rating              | IP67, IP68 in locked condition                                             |   |           |
| Mating endurance       | >500 cycles                                                                |   |           |
| Rated current          | 4 A                                                                        |   |           |
| Rated voltage          | 250V AC/DC                                                                 |   | 60V AC/DC |
| Wire gauge             | 0.34 mm <sup>2</sup> (AWG 22)                                              |   |           |

### Part Number

| Pins | Cable length | Male               |                    | Female             |                    |
|------|--------------|--------------------|--------------------|--------------------|--------------------|
|      |              | PVC                | PUR                | PVC                | PUR                |
| 3    | 1m           | MA12MBP03ST-10CB34 | MA12MBP03ST-10RB34 | MA12FBP03ST-10CB34 | MA12FBP03ST-10RB34 |
|      | 3m           | MA12MBP03ST-30CB34 | MA12MBP03ST-30RB34 | MA12FBP03ST-30CB34 | MA12FBP03ST-30RB34 |
|      | 5m           | MA12MBP03ST-50CB34 | MA12MBP03ST-50RB34 | MA12FBP03ST-50CB34 | MA12FBP03ST-50RB34 |
| 4    | 1m           | MA12MBP04ST-10CB34 | MA12MBP04ST-10RB34 | MA12FBP04ST-10CB34 | MA12FBP04ST-10RB34 |
|      | 3m           | MA12MBP04ST-30CB34 | MA12MBP04ST-30RB34 | MA12FBP04ST-30CB34 | MA12FBP04ST-30RB34 |
|      | 5m           | MA12MBP04ST-50CB34 | MA12MBP04ST-50RB34 | MA12FBP04ST-50CB34 | MA12FBP04ST-50RB34 |
| 5    | 1m           | MA12MBP05ST-10CB34 | MA12MBP05ST-10RB34 | MA12FBP05ST-10CB34 | MA12FBP05ST-10RB34 |
|      | 3m           | MA12MBP05ST-30CB34 | MA12MBP05ST-30RB34 | MA12FBP05ST-30CB34 | MA12FBP05ST-30RB34 |
|      | 5m           | MA12MBP05ST-50CB34 | MA12MBP05ST-50RB34 | MA12FBP05ST-50CB34 | MA12FBP05ST-50RB34 |

### Default wire colors

| Pin No. |    |    |    |    |
|---------|----|----|----|----|
| Pin 1   | BN | BN | BN | BN |
| Pin 2   |    | WH | WH | GN |
| Pin 3   | BU | BU | BU | BU |
| Pin 4   | BK | BK | BK | RD |
| Pin 5   |    |    | GY |    |