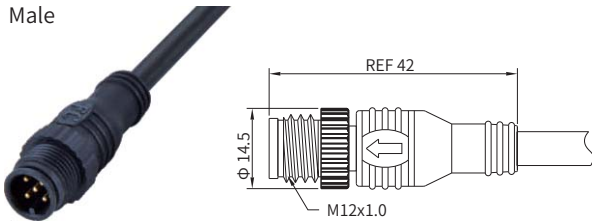


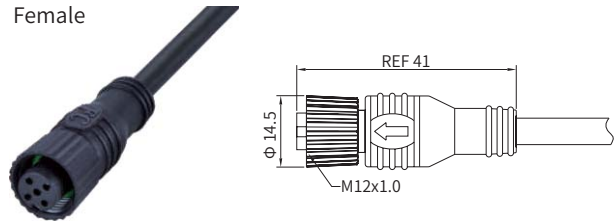
**M12 A-coding Straight Connector, Molded Cable, Plastic**

Male



CE RoHS IP68

Female



CE RoHS IP68

**Specifications**

| Contacts               | 3                                                                          | 4 | 5 | 8                           | 12                        | 17                          |
|------------------------|----------------------------------------------------------------------------|---|---|-----------------------------|---------------------------|-----------------------------|
| Certification          | cULus CYJV2(CYJV8).E321413                                                 |   |   |                             | cULus CYJV(CYJV7).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                                                                        |   |   | 2A                          |                           | 1.5A                        |
| Rated voltage          | 250V AC/DC                                                                 |   |   | 30V AC/DC                   |                           | 30V AC/DC                   |
| Wire gauge             | 0.34mm <sup>2</sup> (AWG22)                                                |   |   | 0.25mm <sup>2</sup> (AWG24) |                           | 0.14mm <sup>2</sup> (AWG26) |

**Part Number**

\*17 pin with different overmold from above other pins.

| Pins | Cable length | Male               |                    | Female             |                    |
|------|--------------|--------------------|--------------------|--------------------|--------------------|
|      |              | PVC                | PUR                | PVC                | PUR                |
| 3    | 1m           | MA12MAP03ST-10CB34 | MA12MAP03ST-10RB34 | MA12FAP03ST-10CB34 | MA12FAP03ST-10RB34 |
|      | 3m           | MA12MAP03ST-30CB34 | MA12MAP03ST-30RB34 | MA12FAP03ST-30CB34 | MA12FAP03ST-30RB34 |
|      | 5m           | MA12MAP03ST-50CB34 | MA12MAP03ST-50RB34 | MA12FAP03ST-50CB34 | MA12FAP03ST-50RB34 |
| 4    | 1m           | MA12MAP04ST-10CB34 | MA12MAP04ST-10RB34 | MA12FAP04ST-10CB34 | MA12FAP04ST-10RB34 |
|      | 3m           | MA12MAP04ST-30CB34 | MA12MAP04ST-30RB34 | MA12FAP04ST-30CB34 | MA12FAP04ST-30RB34 |
|      | 5m           | MA12MAP04ST-50CB34 | MA12MAP04ST-50RB34 | MA12FAP04ST-50CB34 | MA12FAP04ST-50RB34 |
| 5    | 1m           | MA12MAP05ST-10CB34 | MA12MAP05ST-10RB34 | MA12FAP05ST-10CB34 | MA12FAP05ST-10RB34 |
|      | 3m           | MA12MAP05ST-30CB34 | MA12MAP05ST-30RB34 | MA12FAP05ST-30CB34 | MA12FAP05ST-30RB34 |
|      | 5m           | MA12MAP05ST-50CB34 | MA12MAP05ST-50RB34 | MA12FAP05ST-50CB34 | MA12FAP05ST-50RB34 |
| 8    | 1m           | MA12MAP08ST-10CB25 | MA12MAP08ST-10RB25 | MA12FAP08ST-10CB25 | MA12FAP08ST-10RB25 |
|      | 3m           | MA12MAP08ST-30CB25 | MA12MAP08ST-30RB25 | MA12FAP08ST-30CB25 | MA12FAP08ST-30RB25 |
|      | 5m           | MA12MAP08ST-50CB25 | MA12MAP08ST-50RB25 | MA12FAP08ST-50CB25 | MA12FAP08ST-50RB25 |
| 12   | 1m           | MA12MAP12ST-10CB14 | MA12MAP12ST-10RB14 | MA12FAP12ST-10CB14 | MA12FAP12ST-10RB14 |
|      | 3m           | MA12MAP12ST-30CB14 | MA12MAP12ST-30RB14 | MA12FAP12ST-30CB14 | MA12FAP12ST-30RB14 |
|      | 5m           | MA12MAP12ST-50CB14 | MA12MAP12ST-50RB14 | MA12FAP12ST-50CB14 | MA12FAP12ST-50RB14 |
| 17   | 1m           | MA12MAP17ST-10CB14 | MA12MAP17ST-10RB14 | MA12FAP17ST-10CB14 | MA12FAP17ST-10RB14 |
|      | 3m           | MA12MAP17ST-30CB14 | MA12MAP17ST-30RB14 | MA12FAP17ST-30CB14 | MA12FAP17ST-30RB14 |
|      | 5m           | MA12MAP17ST-50CB14 | MA12MAP17ST-50RB14 | MA12FAP17ST-50CB14 | MA12FAP17ST-50RB14 |

**Default wire colors**

| Pin No. |    |    |    |    |    |              |
|---------|----|----|----|----|----|--------------|
| Pin 1   | BN | BN | BN | WH | WH | BN 13. WH/GN |
| Pin 2   |    | WH | WH | BN | BN | BU 14. BN/GN |
| Pin 3   | BU | BU | BU | GN | GN | WH 15. WH/YE |
| Pin 4   | BK | BK | BK | YE | YE | GN 16. YE/BN |
| Pin 5   |    |    | GY | GY | GY | PK 17. WH/GY |
| Pin 6   |    |    |    | PK | PK | YE           |
| Pin 7   |    |    |    | BU | BU | BK           |
| Pin 8   |    |    |    | RD | RD | GY           |
| Pin 9   |    |    |    |    | OR | RD           |
| Pin 10  |    |    |    |    | TP | VT           |
| Pin 11  |    |    |    |    | BK | GY/PK        |
| Pin 12  |    |    |    |    | VT | RD/BU        |