



# Industrial Fieldbus Connectors & Cables

[www.finecables.com](http://www.finecables.com)

**2024** Edition





## About Finecables

Finecables, established in 2003, is committed to being the world's leading manufacturer in industrial connectivity. At Finecables, we combine a strong customer focus along with a wealth of practical industry experience in order to provide our clients all around the world with reliable and innovative connectivity products as well as excellent customer service. Additionally, we continue to extend our self-owned brand @ Finecables® in various applications by developing customized products, which cover not only PUSH PULL connectors & industrial connectors, but also electronic interconnection and data networking. Our production capacity is already more than 50 million PCS yearly.

## Corporate Culture

Finecables' corporate culture consists of passion, dedication and commitment. We are greatly enthusiastic about what we do and helping our customers realize their dreams and ambitions. We are committed to industrial connectivity and place great emphasis on building long-term partnerships and mutually beneficial relationships with both customers and suppliers. Very simply, we are your ideal business partner!

## Products Series

Through continuous innovation and cutting edge research and development, we continue to expand our product portfolio vastly beyond wire harnesses and industrial connectors. Our current portfolio includes:

- Circular Connectors for industrial applications:(M5/M8/M9/M10/M12/M16/M20/7/8"/M23/RD24)
- Solenoid Valve Connectors for Pneumatic, hydraulic and electro-magnetic applications (Size A/B/C)
- Industrial I/O Connectors for data transmission network (USB/RJ45/Mini-Din/D-SUB/UHF)
- ISO-BUS Connectors and Junction Boxes for field-BUS networkcontrol (4/6/8-port M5/M8/M12 connectors with 7/8"/M23 connectors)
- Push-Pull Connectors for Medical/Measuring & Testing/Military and Security applications: Series B/K/T/S/250/E/L/Q/R/P
- NMEA 2000 cable connectors for marine & vessels
- Temperature Sensor Probe and Wire/Cable Harness
- Customized Solutions



## R & D

With years of experience and technological acquisition and accumulation in industrial connectivity, the R&D team at Finecables utilizes powerful tooling ability and productivity to continue to raise the bar for industry standards. Our unique competitive advantage allows us to research and develop innovative total solutions and fully realize our customer's specific requirements and requests. So far, Finecables has developed over 20,000 kinds of connectors totally.

## Quality

Quality to finecables is what health is to human beings; the core competence of products shall base on its superior performance and reliable quality. Our commitments on "high quality" come from our team's comprehensive understanding in quality. We have designed strict audit and quality control process to assure ourselves and our suppliers are offering the best practice. ISO9001, ISO14001, ISO45001, ISO13485, ESD20.20 Certificate and NMEA, CE, UKCA, UL represent our quality value.

Finecables fulfills the core value of "Promptness, Excellence, Awareness, and Gratitude", by insisting our long-term partnership and win-win cooperation with both customers and suppliers.



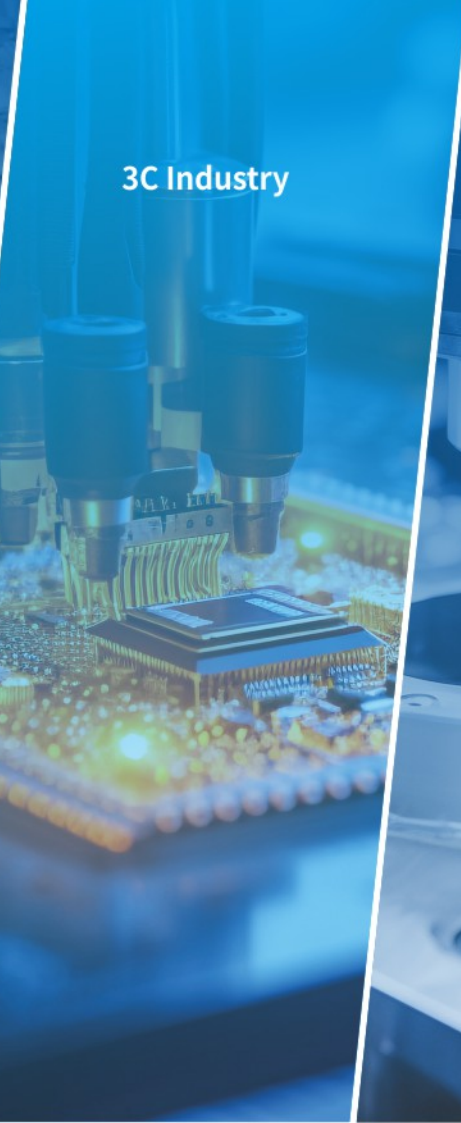
Automobile  
Industry



Appliance  
industry



3C Industry



Equipment  
Manufacturing



PV Industry



Logistics Industry



Power Industry



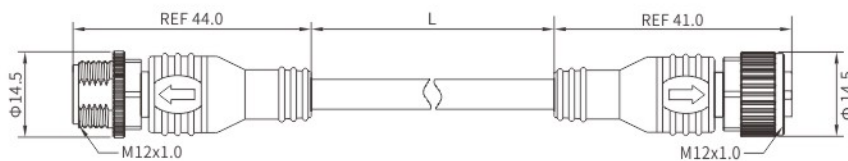
Food industry



# M12 A-coding (Sensor and Actuator)



## M12 A-coding Connector, Molded Cable, Male Straight+Female Straight



### Specifications

| Contacts               | 3                                                                          | 4 | 5         | 8                           |
|------------------------|----------------------------------------------------------------------------|---|-----------|-----------------------------|
| Certification          | CYJV(CYJV7).E321413                                                        |   |           |                             |
| Pin layout(Male)       |                                                                            |   |           |                             |
| Pin layout(Female)     |                                                                            |   |           |                             |
| Ambient temperature    | -20°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     | Zinc alloy with nickel plated                                              |   |           |                             |
| 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                          |
| Rated voltage          | 250V AC/DC                                                                 |   | 60V AC/DC | 30V AC/DC                   |
| Wire gauge             | 0.34mm <sup>2</sup> (AWG22)                                                |   |           | 0.25mm <sup>2</sup> (AWG24) |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                              | PUR                              |
|------|--------------|----------------------------------|----------------------------------|
| 3    | 2m           | MA12MAHD03ST-MA12FAHD03ST-20CB34 | MA12MAHD03ST-MA12FAHD03ST-20RB34 |
|      | 5m           | MA12MAHD03ST-MA12FAHD03ST-50CB34 | MA12MAHD03ST-MA12FAHD03ST-50RB34 |
|      | 7m           | MA12MAHD03ST-MA12FAHD03ST-70CB34 | MA12MAHD03ST-MA12FAHD03ST-70RB34 |
| 4    | 2m           | MA12MAHD04ST-MA12FAHD04ST-20CB34 | MA12MAHD04ST-MA12FAHD04ST-20RB34 |
|      | 5m           | MA12MAHD04ST-MA12FAHD04ST-50CB34 | MA12MAHD04ST-MA12FAHD04ST-50RB34 |
|      | 7m           | MA12MAHD04ST-MA12FAHD04ST-70CB34 | MA12MAHD04ST-MA12FAHD04ST-70RB34 |
| 5    | 2m           | MA12MAHD05ST-MA12FAHD05ST-20CB34 | MA12MAHD05ST-MA12FAHD05ST-20RB34 |
|      | 5m           | MA12MAHD05ST-MA12FAHD05ST-50CB34 | MA12MAHD05ST-MA12FAHD05ST-50RB34 |
|      | 7m           | MA12MAHD05ST-MA12FAHD05ST-70CB34 | MA12MAHD05ST-MA12FAHD05ST-70RB34 |
| 8    | 2m           | MA12MAHD08ST-MA12FAHD08ST-20CB25 | MA12MAHD08ST-MA12FAHD08ST-20RB25 |
|      | 5m           | MA12MAHD08ST-MA12FAHD08ST-50CB25 | MA12MAHD08ST-MA12FAHD08ST-50RB25 |
|      | 7m           | MA12MAHD08ST-MA12FAHD08ST-70CB25 | MA12MAHD08ST-MA12FAHD08ST-70RB25 |

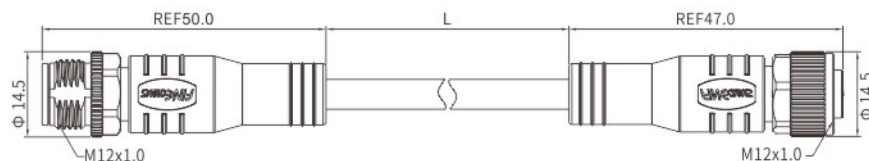
### Default wire colors

| Pin No. |    |    |    |    |
|---------|----|----|----|----|
| Pin 1   | BN | BN | BN | WH |
| Pin 2   |    | WH | WH | BN |
| Pin 3   | BU | BU | BU | GN |
| Pin 4   | BK | BK | BK | YE |
| Pin 5   |    |    | GY | GY |
| Pin 6   |    |    |    | PK |
| Pin 7   |    |    |    | BU |
| Pin 8   |    |    |    | RD |

# M12 A-coding (Sensor and Actuator)



M12 A-coding Connector, Molded Cable, Male Straight+Female Straight Shielded



## Specifications

| Contacts               | 3                                                                          | 4 | 5         | 8                           |
|------------------------|----------------------------------------------------------------------------|---|-----------|-----------------------------|
| Certification          | CYJV(CYJV7).E321413                                                        |   |           |                             |
| Pin layout(Male)       |                                                                            |   |           |                             |
| Pin layout(Female)     |                                                                            |   |           |                             |
| Ambient temperature    | -20°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     | Zinc alloy with nickel plated                                              |   |           |                             |
| Seal/O-ring(of Female) | FKM                                                                        |   |           |                             |
| Insulation resistance  | ≥100MΩ                                                                     |   |           |                             |
| Contact resistance     | ≤5mΩ                                                                       |   |           |                             |
| Shielding              | Available                                                                  |   |           |                             |
| IP rating              | IP67, IP68 in locked condition                                             |   |           |                             |
| Mating endurance       | >500 cycles                                                                |   |           |                             |
| Rated current          | 4 A                                                                        |   |           | 2A                          |
| Rated voltage          | 250V AC/DC                                                                 |   | 60V AC/DC | 30V AC/DC                   |
| Wire gauge             | 0.34mm <sup>2</sup> (AWG22)                                                |   |           | 0.25mm <sup>2</sup> (AWG24) |

## Part Number

Customized cable ending and length

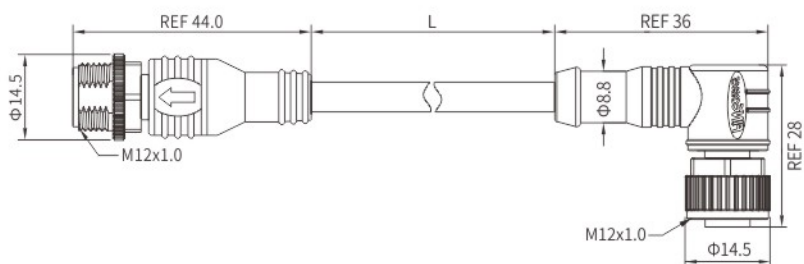
| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 3    | 2m           | MA12MSAHD03ST-MA12FSAHD03ST-20CB34 | MA12MSAHD03ST-MA12FSAHD03ST-20RB34 |
|      | 5m           | MA12MSAHD03ST-MA12FSAHD03ST-50CB34 | MA12MSAHD03ST-MA12FSAHD03ST-50RB34 |
|      | 7m           | MA12MSAHD03ST-MA12FSAHD03ST-70CB34 | MA12MSAHD03ST-MA12FSAHD03ST-70RB34 |
| 4    | 2m           | MA12MSAHD04ST-MA12FSAHD04ST-20CB34 | MA12MSAHD04ST-MA12FSAHD04ST-20RB34 |
|      | 5m           | MA12MSAHD04ST-MA12FSAHD04ST-50CB34 | MA12MSAHD04ST-MA12FSAHD04ST-50RB34 |
|      | 7m           | MA12MSAHD04ST-MA12FSAHD04ST-70CB34 | MA12MSAHD04ST-MA12FSAHD04ST-70RB34 |
| 5    | 2m           | MA12MSAHD05ST-MA12FSAHD05ST-20CB34 | MA12MSAHD05ST-MA12FSAHD05ST-20RB34 |
|      | 5m           | MA12MSAHD05ST-MA12FSAHD05ST-50CB34 | MA12MSAHD05ST-MA12FSAHD05ST-50RB34 |
|      | 7m           | MA12MSAHD05ST-MA12FSAHD05ST-70CB34 | MA12MSAHD05ST-MA12FSAHD05ST-70RB34 |
| 8    | 2m           | MA12MSAHD08ST-MA12FSAHD08ST-20CB25 | MA12MSAHD08ST-MA12FSAHD08ST-20RB25 |
|      | 5m           | MA12MSAHD08ST-MA12FSAHD08ST-50CB25 | MA12MSAHD08ST-MA12FSAHD08ST-50RB25 |
|      | 7m           | MA12MSAHD08ST-MA12FSAHD08ST-70CB25 | MA12MSAHD08ST-MA12FSAHD08ST-70RB25 |

## Default wire colors

| Pin No. |       |    |    |    |
|---------|-------|----|----|----|
| Pin 1   | BN    | BN | BN | WH |
| Pin 2   |       | WH | WH | BN |
| Pin 3   | BU    | BU | BU | GN |
| Pin 4   | BK    | BK | BK | YE |
| Pin 5   |       |    | GY | GY |
| Pin 6   |       |    |    | PK |
| Pin 7   |       |    |    | BU |
| Pin 8   |       |    |    | RD |
| Shell   | Braid |    |    |    |

# M12 A-coding (Sensor and Actuator)

## M12 A-coding Connector, Molded Cable, Male Straight+Female Angled



### Specifications

| Contacts               | 3                                                                                                     | 4                                                                                 | 5                                                                                  | 8                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Certification          |  CYJV(CYJV7).E321413 |                                                                                   |                                                                                    |                                                                                     |
| Pin layout(Male)       |                      |  |  |  |
| Pin layout(Female)     |                      |  |  |  |
| Ambient temperature    | -20°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     | Zinc alloy with nickel plated                                                                         |                                                                                   |                                                                                    |                                                                                     |
| 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                                                                                  |
| Rated voltage          | 250V AC/DC                                                                                            |                                                                                   | 60V AC/DC                                                                          | 30V AC/DC                                                                           |
| Wire gauge             | 0.34mm <sup>2</sup> (AWG22)                                                                           |                                                                                   | 0.25mm <sup>2</sup> (AWG24)                                                        |                                                                                     |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                              | PUR                              |
|------|--------------|----------------------------------|----------------------------------|
| 3    | 2m           | MA12MAHD03ST-MA12FAHD03RA-20CB34 | MA12MAHD03ST-MA12FAHD03RA-20RB34 |
|      | 5m           | MA12MAHD03ST-MA12FAHD03RA-50CB34 | MA12MAHD03ST-MA12FAHD03RA-50RB34 |
|      | 7m           | MA12MAHD03ST-MA12FAHD03RA-70CB34 | MA12MAHD03ST-MA12FAHD03RA-70RB34 |
| 4    | 2m           | MA12MAHD04ST-MA12FAHD04RA-20CB34 | MA12MAHD04ST-MA12FAHD04RA-20RB34 |
|      | 5m           | MA12MAHD04ST-MA12FAHD04RA-50CB34 | MA12MAHD04ST-MA12FAHD04RA-50RB34 |
|      | 7m           | MA12MAHD04ST-MA12FAHD04RA-70CB34 | MA12MAHD04ST-MA12FAHD04RA-70RB34 |
| 5    | 2m           | MA12MAHD05ST-MA12FAHD05RA-20CB34 | MA12MAHD05ST-MA12FAHD05RA-20RB34 |
|      | 5m           | MA12MAHD05ST-MA12FAHD05RA-50CB34 | MA12MAHD05ST-MA12FAHD05RA-50RB34 |
|      | 7m           | MA12MAHD05ST-MA12FAHD05RA-70CB34 | MA12MAHD05ST-MA12FAHD05RA-70RB34 |
| 8    | 2m           | MA12MAHD08ST-MA12FAHD08RA-20CB25 | MA12MAHD08ST-MA12FAHD08RA-20RB25 |
|      | 5m           | MA12MAHD08ST-MA12FAHD08RA-50CB25 | MA12MAHD08ST-MA12FAHD08RA-50RB25 |
|      | 7m           | MA12MAHD08ST-MA12FAHD08RA-70CB25 | MA12MAHD08ST-MA12FAHD08RA-70RB25 |

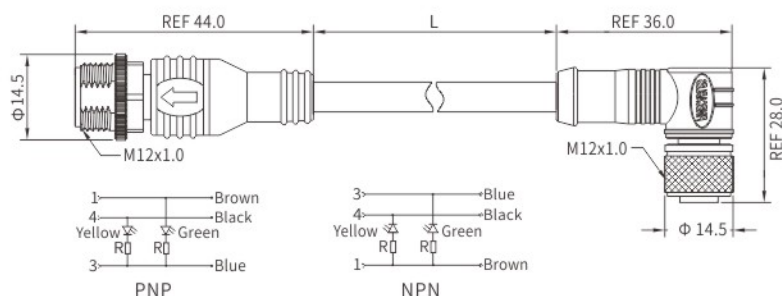
### Default wire colors

| Pin No. |     |     |     |     |
|---------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Pin 1   | BN  | BN  | BN  | WH  |
| Pin 2   |                                                                                        | WH  | WH  | BN  |
| Pin 3   | BU  | BU  | BU  | GN  |
| Pin 4   | BK  | BK  | BK  | YE  |
| Pin 5   |                                                                                        |                                                                                        | GY  | GY  |
| Pin 6   |                                                                                        |                                                                                        |                                                                                         | PK  |
| Pin 7   |                                                                                        |                                                                                        |                                                                                         | BU  |
| Pin 8   |                                                                                        |                                                                                        |                                                                                         | RD  |

# M12 A-coding (Sensor and Actuator)



M12 A-coding Connector, Molded Cable, Male Straight+Female Angled (with LED indicator)



## Specifications

| Contacts               | 3                                                                          | 4 | 5 |
|------------------------|----------------------------------------------------------------------------|---|---|
| Pin layout(Male)       |                                                                            |   |   |
| Pin layout(Female)     |                                                                            |   |   |
| Ambient temperature    | -20°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     | Zinc alloy with nickel plated                                              |   |   |
| 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                                                                 |   |   |
| Wire gauge             | 0.34mm² (AWG22)                                                            |   |   |

## Part Number

Customized cable ending and length

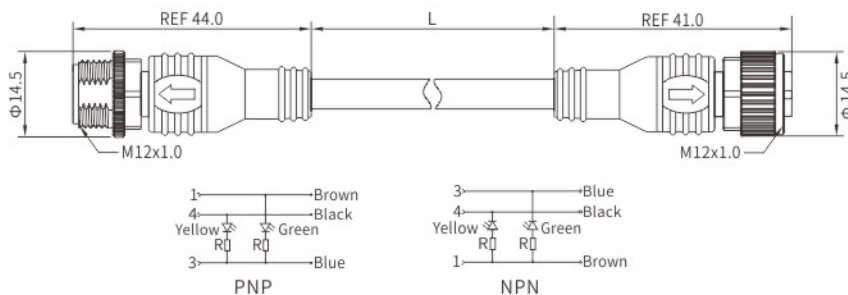
| Pins | Cable length | PNP                             |                                 | NPN                             |                                 |
|------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
|      |              | PVC                             | PUR                             | PVC                             | PUR                             |
| 3    | 2m           | MA12MAHD03ST-MA12LPF03RA-20CB34 | MA12MAHD03ST-MA12LPF03RA-20RB34 | MA12MAHD03ST-MA12LNF03RA-20CB34 | MA12MAHD03ST-MA12LNF03RA-20RB34 |
|      | 5m           | MA12MAHD03ST-MA12LPF03RA-50CB34 | MA12MAHD03ST-MA12LPF03RA-50RB34 | MA12MAHD03ST-MA12LNF03RA-50CB34 | MA12MAHD03ST-MA12LNF03RA-50RB34 |
|      | 7m           | MA12MAHD03ST-MA12LPF03RA-70CB34 | MA12MAHD03ST-MA12LPF03RA-70RB34 | MA12MAHD03ST-MA12LNF03RA-70CB34 | MA12MAHD03ST-MA12LNF03RA-70RB34 |
| 4    | 2m           | MA12MAHD04ST-MA12LPF04RA-20CB34 | MA12MAHD04ST-MA12LPF04RA-20RB34 | MA12MAHD04ST-MA12LNF04RA-20CB34 | MA12MAHD04ST-MA12LNF04RA-20RB34 |
|      | 5m           | MA12MAHD04ST-MA12LPF04RA-50CB34 | MA12MAHD04ST-MA12LPF04RA-50RB34 | MA12MAHD04ST-MA12LNF04RA-50CB34 | MA12MAHD04ST-MA12LNF04RA-50RB34 |
|      | 7m           | MA12MAHD04ST-MA12LPF04RA-70CB34 | MA12MAHD04ST-MA12LPF04RA-70RB34 | MA12MAHD04ST-MA12LNF04RA-70CB34 | MA12MAHD04ST-MA12LNF04RA-70RB34 |
| 5    | 2m           | MA12MAHD05ST-MA12LPF05RA-20CB34 | MA12MAHD05ST-MA12LPF05RA-20RB34 | MA12MAHD05ST-MA12LNF05RA-20CB34 | MA12MAHD05ST-MA12LNF05RA-20RB34 |
|      | 5m           | MA12MAHD05ST-MA12LPF05RA-50CB34 | MA12MAHD05ST-MA12LPF05RA-50RB34 | MA12MAHD05ST-MA12LNF05RA-50CB34 | MA12MAHD05ST-MA12LNF05RA-50RB34 |
|      | 7m           | MA12MAHD05ST-MA12LPF05RA-70CB34 | MA12MAHD05ST-MA12LPF05RA-70RB34 | MA12MAHD05ST-MA12LNF05RA-70CB34 | MA12MAHD05ST-MA12LNF05RA-70RB34 |

## Default wire colors

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

# M12 A-coding (Sensor and Actuator)

## M12 A-coding Connector, Molded Cable, Male Straight+Female Straight



### Specifications

| Contacts               | 3                                                                          | 4 | 5 |
|------------------------|----------------------------------------------------------------------------|---|---|
| Pin layout(Male)       |                                                                            |   |   |
| Pin layout(Female)     |                                                                            |   |   |
| Ambient temperature    | -20°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     | Zinc alloy with nickel plated                                              |   |   |
| 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                                                                 |   |   |
| Wire gauge             | 0.34mm² (AWG22)                                                            |   |   |

### Part Number

Customized cable ending and length

| Pins | Cable length | PNP                              |                                  | NPN                              |                                  |
|------|--------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
|      |              | PVC                              | PUR                              | PVC                              | PUR                              |
| 3    | 2m           | MA12MAHD03ST-MA12LPHD03RA-20CB34 | MA12MAHD03ST-MA12LPHD03RA-20RB34 | MA12MAHD03ST-MA12LNHD03RA-20CB34 | MA12MAHD03ST-MA12LNHD03RA-20RB34 |
|      | 5m           | MA12MAHD03ST-MA12LPHD03RA-50CB34 | MA12MAHD03ST-MA12LPHD03RA-50RB34 | MA12MAHD03ST-MA12LNHD03RA-50CB34 | MA12MAHD03ST-MA12LNHD03RA-50RB34 |
|      | 7m           | MA12MAHD03ST-MA12LPHD03RA-70CB34 | MA12MAHD03ST-MA12LPHD03RA-70RB34 | MA12MAHD03ST-MA12LNHD03RA-70CB34 | MA12MAHD03ST-MA12LNHD03RA-70RB34 |
| 4    | 2m           | MA12MAHD04ST-MA12LPHD04RA-20CB34 | MA12MAHD04ST-MA12LPHD04RA-20RB34 | MA12MAHD04ST-MA12LNHD04RA-20CB34 | MA12MAHD04ST-MA12LNHD04RA-20RB34 |
|      | 5m           | MA12MAHD04ST-MA12LPHD04RA-50CB34 | MA12MAHD04ST-MA12LPHD04RA-50RB34 | MA12MAHD04ST-MA12LNHD04RA-50CB34 | MA12MAHD04ST-MA12LNHD04RA-50RB34 |
|      | 7m           | MA12MAHD04ST-MA12LPHD04RA-70CB34 | MA12MAHD04ST-MA12LPHD04RA-70RB34 | MA12MAHD04ST-MA12LNHD04RA-70CB34 | MA12MAHD04ST-MA12LNHD04RA-70RB34 |
| 5    | 2m           | MA12MAHD05ST-MA12LPHD05RA-20CB34 | MA12MAHD05ST-MA12LPHD05RA-20RB34 | MA12MAHD05ST-MA12LNHD05RA-20CB34 | MA12MAHD05ST-MA12LNHD05RA-20RB34 |
|      | 5m           | MA12MAHD05ST-MA12LPHD05RA-50CB34 | MA12MAHD05ST-MA12LPHD05RA-50RB34 | MA12MAHD05ST-MA12LNHD05RA-50CB34 | MA12MAHD05ST-MA12LNHD05RA-50RB34 |
|      | 7m           | MA12MAHD05ST-MA12LPHD05RA-70CB34 | MA12MAHD05ST-MA12LPHD05RA-70RB34 | MA12MAHD05ST-MA12LNHD05RA-70CB34 | MA12MAHD05ST-MA12LNHD05RA-70RB34 |

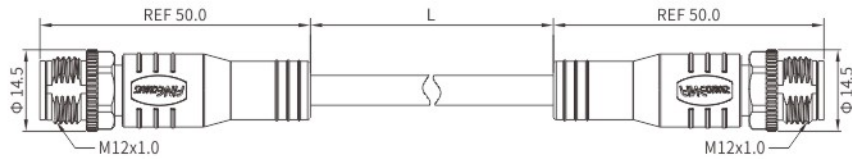
### Default wire colors

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

# M12 D-coding (Ethernet)



M12 D-coding Connector, Molded Cable, Male Straight+Female Straight, Shielded



## Specifications

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Contacts                    | 4                                                                                                     |
| Certification               |  CYJV(CYJV7).E321413 |
| Pin layout(Male)            |                      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                                                         |
| Insulation resistance       | ≥100MΩ                                                                                                |
| Contact resistance          | ≤5mΩ                                                                                                  |
| Shielding                   | Available                                                                                             |
| IP rating                   | IP67, IP68 in locked condition                                                                        |
| Transmission characteristic | CAT5e                                                                                                 |
| Mating endurance            | >500 cycles                                                                                           |
| Rated current               | 4 A                                                                                                   |
| Rated voltage               | 250V AC/DC                                                                                            |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                                                         |

## Part Number

Customized cable ending and length

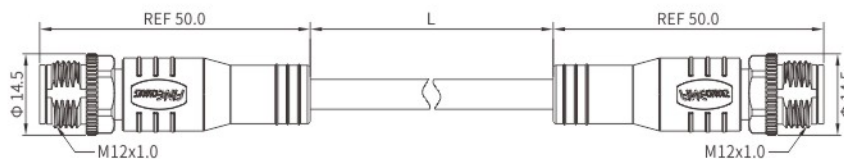
| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12MSDHD04ST-20CB34 | MA12MSDHD04ST-MA12MSDHD04ST-20RB34 |
|      | 5m           | MA12MSDHD04ST-MA12MSDHD04ST-50CB34 | MA12MSDHD04ST-MA12MSDHD04ST-50RB34 |
|      | 7m           | MA12MSDHD04ST-MA12MSDHD04ST-70CB34 | MA12MSDHD04ST-MA12MSDHD04ST-70RB34 |

## Default wire colors

| Pin No. |  |
|---------|-------------------------------------------------------------------------------------|
| Pin 1   | BN                                                                                  |
| Pin 2   | WH                                                                                  |
| Pin 3   | BU                                                                                  |
| Pin 4   | BK                                                                                  |
| Shell   | Braid                                                                               |

# M12 D-coding (Profinet)

M12 D-coding Connector, Molded Cable, Male Straight+Female Straight, Shielded



## Specifications

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Contacts                    | 4                                                                                                     |
| Certification               |  CYJV(CYJV7).E321413 |
| Pin layout(Male)            |                      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                                                         |
| Insulation resistance       | ≥100MΩ                                                                                                |
| Contact resistance          | ≤5mΩ                                                                                                  |
| Shielding                   | Available                                                                                             |
| IP rating                   | IP67, IP68 in locked condition                                                                        |
| Transmission characteristic | CAT5e                                                                                                 |
| Mating endurance            | >500 cycles                                                                                           |
| Rated current               | 4 A                                                                                                   |
| Rated voltage               | 250V AC/DC                                                                                            |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                                                         |

## Part Number

Customized cable ending and length

| Pins | Cable length | PUR                                |
|------|--------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12MSDHD04ST-20RE34 |
|      | 5m           | MA12MSDHD04ST-MA12MSDHD04ST-50RE34 |
|      | 7m           | MA12MSDHD04ST-MA12MSDHD04ST-70RE34 |

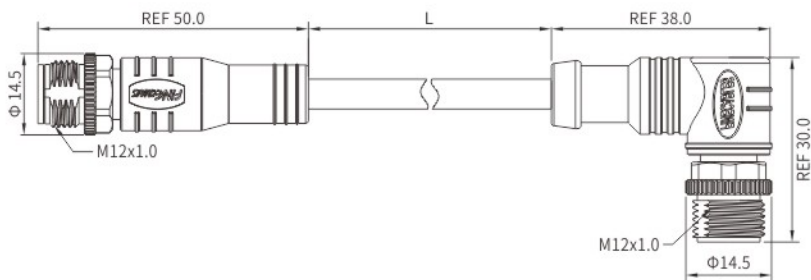
## Default wire colors

| Pin No. |                                                                                        |
|---------|----------------------------------------------------------------------------------------|
| Pin 1   | YE  |
| Pin 2   | OR  |
| Pin 3   | WH  |
| Pin 4   | BU  |
| Shell   | Braid                                                                                  |

# M12 D-coding (Ethernet)



## M12 D-coding Connector, Molded Cable, Male Straight+Male Angled, Shielded



### Specifications

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Contacts                    | 4                                                                                                     |
| Certification               |  CYJV(CYJV7).E321413 |
| Pin layout(Male)            |                      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                                                         |
| Insulation resistance       | ≥100MΩ                                                                                                |
| Contact resistance          | ≤5mΩ                                                                                                  |
| Shielding                   | Available                                                                                             |
| IP rating                   | IP67, IP68 in locked condition                                                                        |
| Transmission characteristic | CAT5e                                                                                                 |
| Mating endurance            | >500 cycles                                                                                           |
| Rated current               | 4 A                                                                                                   |
| Rated voltage               | 250V AC/DC                                                                                            |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                                                         |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12MSDHD04RA-20CB34 | MA12MSDHD04ST-MA12MSDHD04RA-20RB34 |
|      | 5m           | MA12MSDHD04ST-MA12MSDHD04RA-50CB34 | MA12MSDHD04ST-MA12MSDHD04RA-50RB34 |
|      | 7m           | MA12MSDHD04ST-MA12MSDHD04RA-70CB34 | MA12MSDHD04ST-MA12MSDHD04RA-70RB34 |

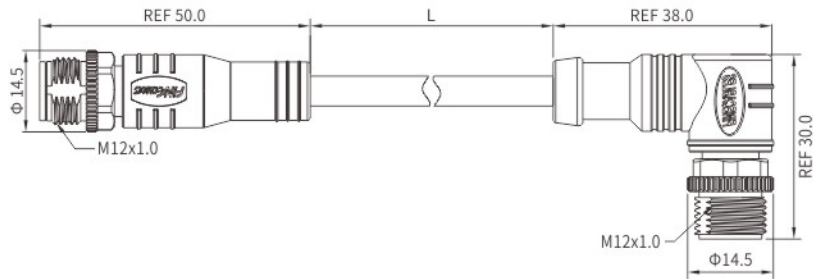
### Default wire colors

| Pin No. |  |
|---------|-------------------------------------------------------------------------------------|
| Pin 1   | BN                                                                                  |
| Pin 2   | WH                                                                                  |
| Pin 3   | BU                                                                                  |
| Pin 4   | BK                                                                                  |
| Shell   | Braid                                                                               |

# M12 D-coding (Profinet)



## M12 D-coding Connector, Molded Cable, Male Straight+Male Angled, Shielded



### Specifications

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Contacts                    | 4                                                                                                     |
| Certification               |  CYJV(CYJV7).E321413 |
| Pin layout(Male)            |                      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                                                         |
| Insulation resistance       | ≥100MΩ                                                                                                |
| Contact resistance          | ≤5mΩ                                                                                                  |
| Shielding                   | Available                                                                                             |
| IP rating                   | IP67, IP68 in locked condition                                                                        |
| Transmission characteristic | CAT5e                                                                                                 |
| Mating endurance            | >500 cycles                                                                                           |
| Rated current               | 4 A                                                                                                   |
| Rated voltage               | 250V AC/DC                                                                                            |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                                                         |

### Part Number

Customized cable ending and length

| Pins | Cable length | PUR                                |
|------|--------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12MSDHD04RA-20RE34 |
|      | 5m           | MA12MSDHD04ST-MA12MSDHD04RA-50RE34 |
|      | 7m           | MA12MSDHD04ST-MA12MSDHD04RA-70RE34 |

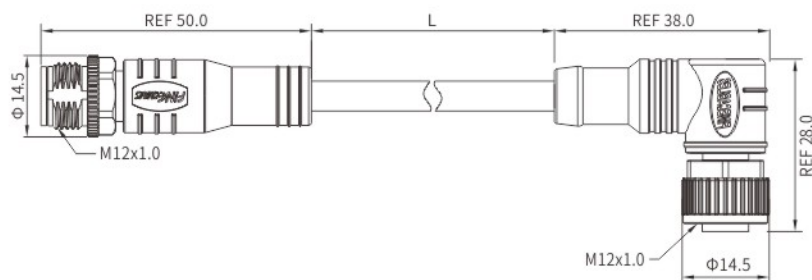
### Default wire colors

| Pin No. |                                                                                        |
|---------|----------------------------------------------------------------------------------------|
| Pin 1   |  YE |
| Pin 2   |  OR |
| Pin 3   |  WH |
| Pin 4   |  BU |
| Shell   | Braid                                                                                  |

# M12 D-coding (Ethernet)



## M12 D-coding Connector, Molded Cable, Male Straight+Female Angled, Shielded



### Specifications

|                             |                                                                            |
|-----------------------------|----------------------------------------------------------------------------|
| Contacts                    | 4                                                                          |
| Certification               | CYJV(CYJV7).E321413                                                        |
| Pin layout(Male)            |                                                                            |
| Pin layout(Female)          |                                                                            |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                              |
| Insulation resistance       | ≥100MΩ                                                                     |
| Contact resistance          | ≤5mΩ                                                                       |
| Shielding                   | Available                                                                  |
| IP rating                   | IP67, IP68 in locked condition                                             |
| Transmission characteristic | CAT5e                                                                      |
| Mating endurance            | >500 cycles                                                                |
| Rated current               | 4 A                                                                        |
| Rated voltage               | 250V AC/DC                                                                 |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                              |

### Part Number

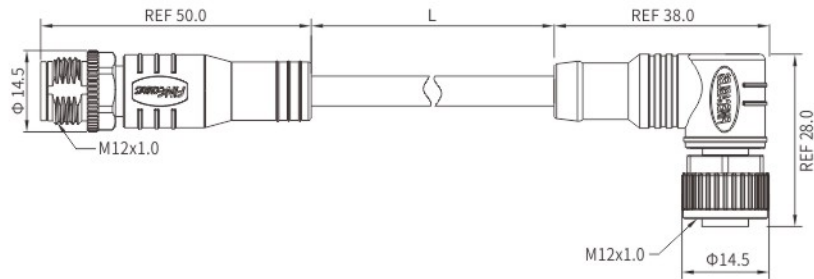
| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12FSDHD04RA-20CB34 | MA12MSDHD04ST-MA12FSDHD04RA-20RB34 |
|      | 5m           | MA12MSDHD04ST-MA12FSDHD04RA-50CB34 | MA12MSDHD04ST-MA12FSDHD04RA-50RB34 |
|      | 7m           | MA12MSDHD04ST-MA12FSDHD04RA-70CB34 | MA12MSDHD04ST-MA12FSDHD04RA-70RB34 |

### Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | BN    |
| Pin 2   | WH    |
| Pin 3   | BU    |
| Pin 4   | BK    |
| Shell   | Braid |

# M12 D-coding (Profinet)

## M12 D-coding Connector, Molded Cable, Male Straight+Female Angled, Shielded



### Specifications

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| Contacts                    | 4                                                                                                     |
| Certification               |  CYJV(CYJV7).E321413 |
| Pin layout(Male)            |                      |
| Pin layout(Female)          |                      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                                                         |
| Insulation resistance       | ≥100MΩ                                                                                                |
| Contact resistance          | ≤5mΩ                                                                                                  |
| Shielding                   | Available                                                                                             |
| IP rating                   | IP67, IP68 in locked condition                                                                        |
| Transmission characteristic | CAT5e                                                                                                 |
| Mating endurance            | >500 cycles                                                                                           |
| Rated current               | 4 A                                                                                                   |
| Rated voltage               | 250V AC/DC                                                                                            |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                                                         |

### Part Number

| Pins | Cable length | PUR                                |
|------|--------------|------------------------------------|
| 4    | 2m           | MA12MSDHD04ST-MA12FSDHD04RA-20RE34 |
|      | 5m           | MA12MSDHD04ST-MA12FSDHD04RA-50RE34 |
|      | 7m           | MA12MSDHD04ST-MA12FSDHD04RA-70RE34 |

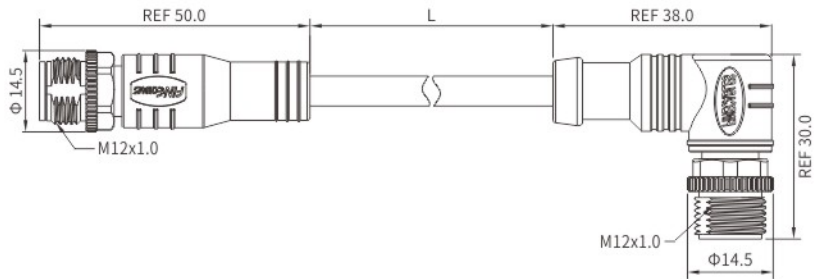
### Default wire colors

| Pin No. |                                                                                        |
|---------|----------------------------------------------------------------------------------------|
| Pin 1   |  YE |
| Pin 2   |  OR |
| Pin 3   |  WH |
| Pin 4   |  BU |
| Shell   | Braid                                                                                  |

# M12 X-coding (Ethernet)



M12 X-coding Connector,Molded Cable, Male Straight+Male Angled, Shielded



## Specifications

| Contacts              | 8                                                                          |
|-----------------------|----------------------------------------------------------------------------|
| Pin layout(Male)      |                                                                            |
| Ambient temperature   | -20°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    | Zinc alloy with nickel plated                                              |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤10mΩ                                                                      |
| Shielding             | Available                                                                  |
| IP rating             | IP67, IP68 in locked condition                                             |
| Mating endurance      | >500 cycles                                                                |
| Rated current         | 0.5 A                                                                      |
| Rated voltage         | 50V AC/ 60V DC                                                             |
| Wire gauge            | 0.14~0.25 mm <sup>2</sup> (AWG 26~24)                                      |

## Part Number

| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 8    | 2m           | MA12MSXHD08ST-MA12MSXHD08RA-20CL14 | MA12MSXHD08ST-MA12MSXHD08RA-20RL14 |
|      | 5m           | MA12MSXHD08ST-MA12MSXHD08RA-50CL14 | MA12MSXHD08ST-MA12MSXHD08RA-50RL14 |
|      | 7m           | MA12MSXHD08ST-MA12MSXHD08RA-70CL14 | MA12MSXHD08ST-MA12MSXHD08RA-70RL14 |

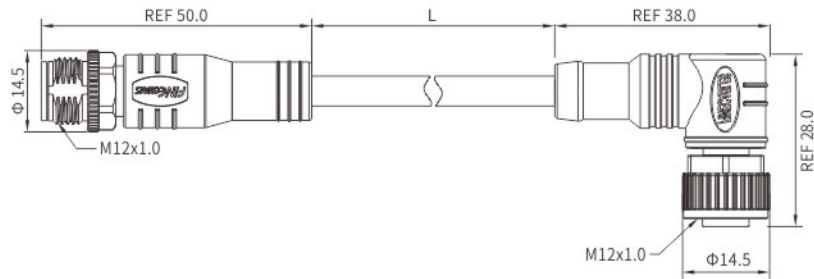
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# M12 X-coding (Ethernet)



M12 X-coding Connector,Molded Cable, Male Straight+Female Angled, Shielded



## Specifications

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Contacts              | 8                                                                          |
| Pin layout(Male)      |                                                                            |
| Pin layout(Female)    |                                                                            |
| Ambient temperature   | -20°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    | Zinc alloy with nickel plated                                              |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤10mΩ                                                                      |
| Shielding             | Available                                                                  |
| IP rating             | IP67, IP68 in locked condition                                             |
| Mating endurance      | >500 cycles                                                                |
| Rated current         | 0.5 A                                                                      |
| Rated voltage         | 50V AC/ 60V DC                                                             |
| Wire gauge            | 0.14~0.25 mm <sup>2</sup> (AWG 26~24)                                      |

## Part Number

Customized cable ending and length

| Pins | Cable length | PVC                                | PUR                                |
|------|--------------|------------------------------------|------------------------------------|
| 8    | 2m           | MA12MSXHD08ST-MA12FSXHD08RA-20CL14 | MA12MSXHD08ST-MA12FSXHD08RA-20RL14 |
|      | 5m           | MA12MSXHD08ST-MA12FSXHD08RA-50CL14 | MA12MSXHD08ST-MA12FSXHD08RA-50RL14 |
|      | 7m           | MA12MSXHD08ST-MA12FSXHD08RA-70CL14 | MA12MSXHD08ST-MA12FSXHD08RA-70RL14 |

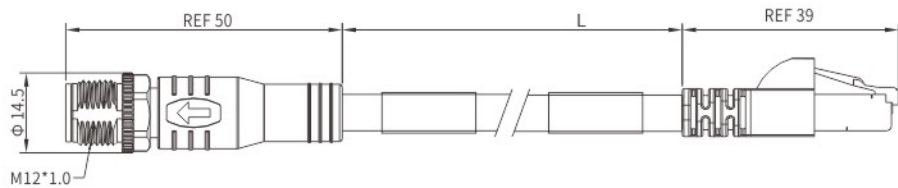
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# M12 D-coding + RJ45 (Ethernet)



M12 D-coding Male Straight+RJ45 Male Straight Connector, Molded Cable, Shielded



## Specifications

|                             |                                                                            |      |
|-----------------------------|----------------------------------------------------------------------------|------|
| Contacts                    | 4                                                                          | 8P8C |
| Certification               | CYJV(CYJV7).E321413                                                        |      |
| Pin layout                  |                                                                            |      |
| Ambient temperature         | -20°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          | Zinc alloy with nickel plated                                              |      |
| Insulation resistance       | ≥100MΩ                                                                     |      |
| Contact resistance          | ≤30mΩ                                                                      |      |
| Shielding                   | Available                                                                  |      |
| IP rating                   | IP67,IP68 In locked condition(For M12 end)                                 |      |
| Transmission characteristic | CAT5e                                                                      |      |
| Mating endurance            | >500 cycles(For M12 end)                                                   |      |
| Rated current               | 4 A                                                                        |      |
| Rated voltage               | 250V AC/DC                                                                 |      |
| Wire gauge                  | 0.34 mm <sup>2</sup> (AWG 22)                                              |      |

## Part Number

Customized cable ending and length

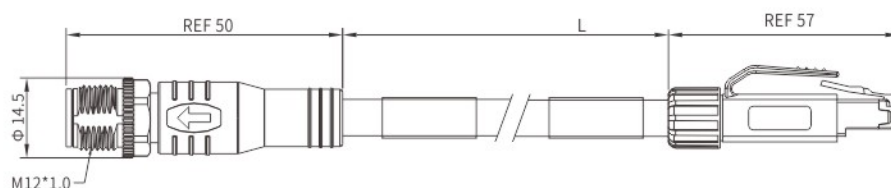
| Pins | Cable length | PVC                             | PUR                             |
|------|--------------|---------------------------------|---------------------------------|
| 4    | 2m           | MA12MSDHD04ST-RJ45 8P8C plug-20 | MA12MSDHD04ST-RJ45 8P8C plug-20 |
|      | 5m           | MA12MSDHD04ST-RJ45 8P8C plug-50 | MA12MSDHD04ST-RJ45 8P8C plug-50 |
|      | 7m           | MA12MSDHD04ST-RJ45 8P8C plug-70 | MA12MSDHD04ST-RJ45 8P8C plug-70 |

## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | WH/GN |
| Pin 3   | OR    |
| Pin 4   | GN    |
| Shell   | Braid |

# M12 D-coding + RJ45 (Profinet)

M12 D-coding Molded Male Straight+RJ45 Assembly Male Straight Connector, Shielded



## Specifications

|                       |                                                                                                       |                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Contacts              | 4                                                                                                     | 8P4C                                                                                |
| Certification         |  CYJV(CYJV7).E321413 |                                                                                     |
| Pin layout            |                      |  |
| Ambient temperature   | -20°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    | Zinc alloy with nickel plated                                                                         |                                                                                     |
| Insulation resistance | ≥100MΩ                                                                                                |                                                                                     |
| Contact resistance    | ≤30mΩ                                                                                                 |                                                                                     |
| Shielding             | Available                                                                                             |                                                                                     |
| IP rating             | IP67,IP68 In locked condition(For M12 end)                                                            |                                                                                     |
| Mating endurance      | >500 cycles(For M12 end)                                                                              |                                                                                     |
| Rated current         | 4 A                                                                                                   |                                                                                     |
| Rated voltage         | 250V AC/DC                                                                                            |                                                                                     |
| Wire gauge            | 0.34 mm² (AWG 22)                                                                                     |                                                                                     |

## Part Number

Customized cable ending and length

| Pins | Cable length | PUR                             |
|------|--------------|---------------------------------|
| 4    | 2m           | MA12MSDHD04ST-RJ45 8P8C plug-20 |
|      | 5m           | MA12MSDHD04ST-RJ45 8P8C plug-50 |
|      | 7m           | MA12MSDHD04ST-RJ45 8P8C plug-70 |

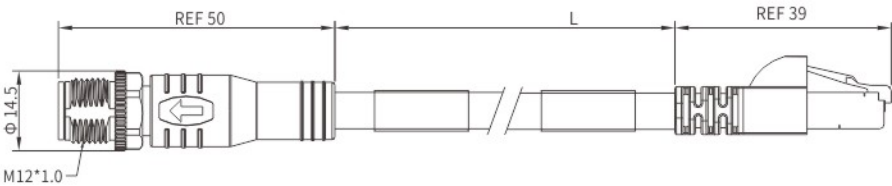
## Default wire colors

| Pin No. |                                                                                        |
|---------|----------------------------------------------------------------------------------------|
| Pin 1   | YE  |
| Pin 2   | OR  |
| Pin 3   | WH  |
| Pin 6   | BU  |

# M12 X-coding - RJ45 (Ethernet)



M12 X-coding Male Straight+RJ45 Male Straight Connector, Molded Cable, Shielded



## Specifications

| Contacts              | 8                                                                          | 8P8C |
|-----------------------|----------------------------------------------------------------------------|------|
| Pin layout            |                                                                            |      |
| Ambient temperature   | -20°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    | Zinc alloy with nickel plated                                              |      |
| Insulation resistance | ≥100MΩ                                                                     |      |
| Contact resistance    | ≤30mΩ                                                                      |      |
| Shielding             | Available                                                                  |      |
| IP rating             | IP67,IP68 In locked condition(For M12 end)                                 |      |
| Mating endurance      | >500 cycles(For M12 end)                                                   |      |
| Rated current         | 0.5 A                                                                      |      |
| Rated voltage         | 50V AC/60V DC                                                              |      |
| Wire gauge            | 0.14~0.25 mm <sup>2</sup> (AWG 26~24)                                      |      |

## Part Number

Customized cable ending and length

| Pins | Cable length | PVC                             | PUR                             |
|------|--------------|---------------------------------|---------------------------------|
| 8    | 2m           | MA12MSXHD08ST-RJ45 8P8C plug-20 | MA12MSXHD08ST-RJ45 8P8C plug-20 |
|      | 5m           | MA12MSXHD08ST-RJ45 8P8C plug-50 | MA12MSXHD08ST-RJ45 8P8C plug-50 |
|      | 7m           | MA12MSXHD08ST-RJ45 8P8C plug-70 | MA12MSXHD08ST-RJ45 8P8C plug-70 |

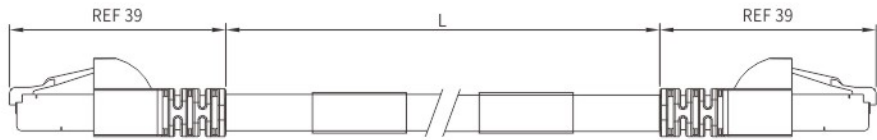
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# RJ45 (Ethernet)



RJ45 - RJ45, Straight Molded Cable, Shielded



## Specifications

| Contacts              | 8P8C                                                                       |
|-----------------------|----------------------------------------------------------------------------|
| Pin layout            |                                                                            |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |
| Connector insert      | TPU                                                                        |
| Connector contacts    | Brass with gold plated                                                     |
| Connector overmold    | TPU                                                                        |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤30mΩ                                                                      |
| Shielding             | Available                                                                  |
| Rated current         | 1.5 A                                                                      |
| Rated voltage         | 125V AC/DC                                                                 |
| Wire gauge            | 0.25 mm <sup>2</sup> (AWG 24)                                              |

## Part Number

Customized cable ending and length

| Pins | Cable length | PVC                                  | PUR                                  |
|------|--------------|--------------------------------------|--------------------------------------|
| 8    | 2m           | RJ45 8P8C plug-RJ45 8P8C plug-20CL25 | RJ45 8P8C plug-RJ45 8P8C plug-20RL25 |
|      | 5m           | RJ45 8P8C plug-RJ45 8P8C plug-50CL25 | RJ45 8P8C plug-RJ45 8P8C plug-50RL25 |
|      | 7m           | RJ45 8P8C plug-RJ45 8P8C plug-70CL25 | RJ45 8P8C plug-RJ45 8P8C plug-70RL25 |

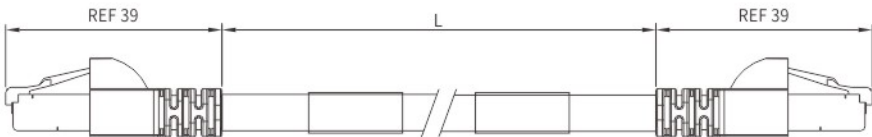
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# RJ45 (Ethernet)



RJ45 - RJ45, Straight Molded Cable, Shielded



## Specifications

| Contacts              | 8P8C                                                                       |
|-----------------------|----------------------------------------------------------------------------|
| Pin layout            |                                                                            |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |
| Connector insert      | TPU                                                                        |
| Connector contacts    | Brass with gold plated                                                     |
| Connector overmold    | TPU                                                                        |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤30mΩ                                                                      |
| Shielding             | Available                                                                  |
| Rated current         | 1.5 A                                                                      |
| Rated voltage         | 125V AC/DC                                                                 |
| Wire gauge            | 0.25 mm² (AWG 24)                                                          |

## Part Number

Customized cable ending and length

| Pins | Cable length | PVC                                  | PUR                                  |
|------|--------------|--------------------------------------|--------------------------------------|
| 8    | 2m           | RJ45 8P8C plug-RJ45 8P8C plug-20CG25 | RJ45 8P8C plug-RJ45 8P8C plug-20RG25 |
|      | 5m           | RJ45 8P8C plug-RJ45 8P8C plug-50CG25 | RJ45 8P8C plug-RJ45 8P8C plug-50RG25 |
|      | 7m           | RJ45 8P8C plug-RJ45 8P8C plug-70CG25 | RJ45 8P8C plug-RJ45 8P8C plug-70RG25 |

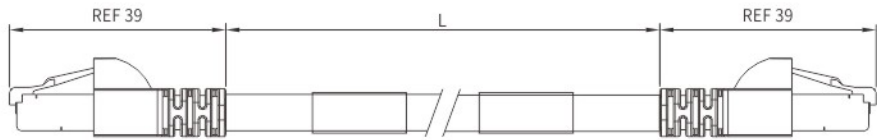
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# RJ45 (Ethernet)



RJ45 - RJ45, Straight Molded Cable, Shielded



## Specifications

| Contacts              | 8P8C                                                                              |
|-----------------------|-----------------------------------------------------------------------------------|
| Pin layout            |  |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation)        |
| Connector insert      | TPU                                                                               |
| Connector contacts    | Brass with gold plated                                                            |
| Connector overmold    | TPU                                                                               |
| Insulation resistance | ≥100MΩ                                                                            |
| Contact resistance    | ≤30mΩ                                                                             |
| Shielding             | Available                                                                         |
| Rated current         | 1.5 A                                                                             |
| Rated voltage         | 125V AC/DC                                                                        |
| Wire gauge            | 0.25 mm <sup>2</sup> (AWG 24)                                                     |

## Part Number

Customized cable ending and length

| Pins | Cable length | PVC                                  | PUR                                  |
|------|--------------|--------------------------------------|--------------------------------------|
| 8    | 2m           | RJ45 8P8C plug-RJ45 8P8C plug-20CR25 | RJ45 8P8C plug-RJ45 8P8C plug-20RR25 |
|      | 5m           | RJ45 8P8C plug-RJ45 8P8C plug-50CR25 | RJ45 8P8C plug-RJ45 8P8C plug-50RR25 |
|      | 7m           | RJ45 8P8C plug-RJ45 8P8C plug-70CR25 | RJ45 8P8C plug-RJ45 8P8C plug-70RR25 |

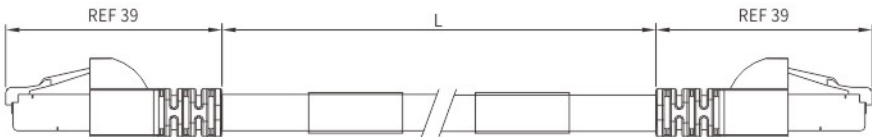
## Default wire colors

| Pin No. |  |
|---------|-------------------------------------------------------------------------------------|
| Pin 1   | WH/OR                                                                               |
| Pin 2   | OR                                                                                  |
| Pin 3   | WH/GN                                                                               |
| Pin 4   | GN                                                                                  |
| Pin 5   | WH/BN                                                                               |
| Pin 6   | BN                                                                                  |
| Pin 7   | WH/BU                                                                               |
| Pin 8   | BU                                                                                  |
| Shell   | Braid                                                                               |

# RJ45 (Ethernet)



RJ45 - RJ45, Straight Molded Cable, Shielded



## Specifications

| Contacts              | 8P8C                                                                       |
|-----------------------|----------------------------------------------------------------------------|
| Pin layout            |                                                                            |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |
| Connector insert      | TPU                                                                        |
| Connector contacts    | Brass with gold plated                                                     |
| Connector overmold    | TPU                                                                        |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤30mΩ                                                                      |
| Shielding             | Available                                                                  |
| Rated current         | 1.5 A                                                                      |
| Rated voltage         | 125V AC/DC                                                                 |
| Wire gauge            | 0.25 mm <sup>2</sup> (AWG 24)                                              |

## Part Number

Customized cable ending and length

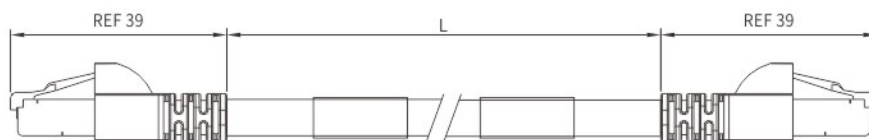
| Pins | Cable length | PVC                                  | PUR                                  |
|------|--------------|--------------------------------------|--------------------------------------|
| 8    | 2m           | RJ45 8P8C plug-RJ45 8P8C plug-20CY25 | RJ45 8P8C plug-RJ45 8P8C plug-20RY25 |
|      | 5m           | RJ45 8P8C plug-RJ45 8P8C plug-50CY25 | RJ45 8P8C plug-RJ45 8P8C plug-50RY25 |
|      | 7m           | RJ45 8P8C plug-RJ45 8P8C plug-70CY25 | RJ45 8P8C plug-RJ45 8P8C plug-70RY25 |

## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | WH/OR |
| Pin 2   | OR    |
| Pin 3   | WH/GN |
| Pin 4   | GN    |
| Pin 5   | WH/BN |
| Pin 6   | BN    |
| Pin 7   | WH/BU |
| Pin 8   | BU    |
| Shell   | Braid |

# RJ45 (Profinet)

RJ45 - RJ45, Straight Molded Cable, Shielded



## Specifications

| Contacts              | 8P4C                                                                       |
|-----------------------|----------------------------------------------------------------------------|
| Pin layout            |                                                                            |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |
| Connector insert      | TPU                                                                        |
| Connector contacts    | Brass with gold plated                                                     |
| Connector overmold    | TPU                                                                        |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤30mΩ                                                                      |
| Shielding             | Available                                                                  |
| Rated current         | 1.5 A                                                                      |
| Rated voltage         | 125V AC/DC                                                                 |
| Wire gauge            | 0.25 mm <sup>2</sup> (AWG 24)                                              |

## Part Number

Customized cable ending and length

| Pins | Cable length | PUR                                  |
|------|--------------|--------------------------------------|
| 4    | 2m           | RJ45 8P4C plug-RJ45 8P4C plug-20RE25 |
|      | 5m           | RJ45 8P4C plug-RJ45 8P4C plug-50RE25 |
|      | 7m           | RJ45 8P4C plug-RJ45 8P4C plug-70RE25 |

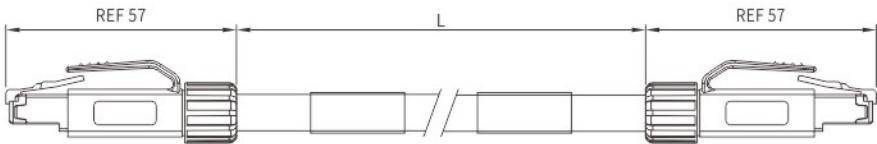
## Default wire colors

| Pin No. |       |
|---------|-------|
| Pin 1   | YE    |
| Pin 2   | OR    |
| Pin 3   | WH    |
| Pin 4   | BU    |
| Shell   | Braid |

# RJ45 (Profinet)



RJ45 - RJ45, Straight Assembly Cable, Shielded



## Specifications

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Contacts              | 8P4C                                                                       |
| Pin layout            |                                                                            |
| Ambient temperature   | -20°C ~ +85°C (flexible installation) , -40°C ~ +85°C (fixed installation) |
| Connector insert      | TPU                                                                        |
| Connector contacts    | Brass with gold plated                                                     |
| Connector overmold    | TPU                                                                        |
| Insulation resistance | ≥100MΩ                                                                     |
| Contact resistance    | ≤30mΩ                                                                      |
| Shielding             | Available                                                                  |
| Rated current         | 4 A                                                                        |
| Rated voltage         | 250V AC/DC                                                                 |
| Wire gauge            | 0.34 mm <sup>2</sup> (AWG 22)                                              |

## Part Number

Customized cable ending and length

| Pins | Cable length | PUR                                  |
|------|--------------|--------------------------------------|
| 8    | 2m           | RJ45 8P4C plug-RJ45 8P4C plug-20RE25 |
|      | 5m           | RJ45 8P4C plug-RJ45 8P4C plug-20RE25 |
|      | 7m           | RJ45 8P4C plug-RJ45 8P4C plug-20RE25 |

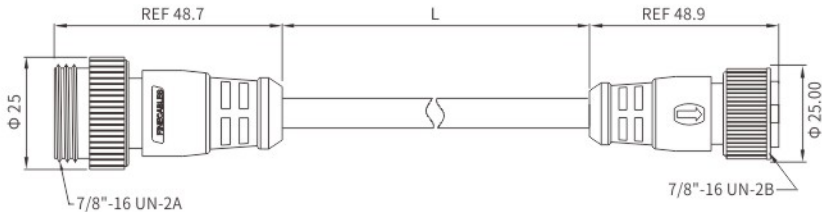
## Default wire colors

| Pin No. |    |
|---------|----|
| Pin 1   | YE |
| Pin 2   | OR |
| Pin 3   | WH |
| Pin 6   | BU |

# Mini-change(7/8")



## Mini-change(7/8") Connector,Molded Cable



### Specifications

| Contacts              | 3                                                                                               | 4                                                                                 | 5                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Certification         |  CYJV7 E321413 |                                                                                   |                                                                                     |
| Pin layout(Male)      |                |  |  |
| Pin layout(Female)    |                |  |  |
| Ambient temperature   | -20°C ~ +80°C (flexible installation) , -40°C ~ +80°C (fixed installation)                      |                                                                                   |                                                                                     |
| Connector insert      | TPU                                                                                             |                                                                                   |                                                                                     |
| Connector contacts    | Brass with gold plated                                                                          |                                                                                   |                                                                                     |
| Connector overmold    | TPU                                                                                             |                                                                                   |                                                                                     |
| Coupling nut/screw    | Aluminium anodized natural                                                                      |                                                                                   |                                                                                     |
| Insulation resistance | ≥100MΩ                                                                                          |                                                                                   |                                                                                     |
| Contact resistance    | ≤5mΩ                                                                                            |                                                                                   |                                                                                     |
| Shielding             | Unavailable                                                                                     |                                                                                   |                                                                                     |
| IP rating             | IP68 in locked condition                                                                        |                                                                                   |                                                                                     |
| Mating endurance      | >500 cycles                                                                                     |                                                                                   |                                                                                     |
| Rated current         | 13A                                                                                             |                                                                                   |                                                                                     |
| Rated voltage         | 300V AC / DC                                                                                    |                                                                                   |                                                                                     |
| Wire gauge            | 1.5mm <sup>2</sup> (AWG16)                                                                      |                                                                                   |                                                                                     |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                        | PUR                        |
|------|--------------|----------------------------|----------------------------|
| 3    | 2m           | Mini-C03MST-C03FST-20CB150 | Mini-C03MST-C03FST-20RB150 |
|      | 5m           | Mini-C03MST-C03FST-50CB150 | Mini-C03MST-C03FST-50RB150 |
|      | 7m           | Mini-C03MST-C03FST-70CB150 | Mini-C03MST-C03FST-70RB150 |
| 4    | 2m           | Mini-C04MST-C04FST-20CB150 | Mini-C04MST-C04FST-20RB150 |
|      | 5m           | Mini-C04MST-C04FST-50CB150 | Mini-C04MST-C04FST-50RB150 |
|      | 7m           | Mini-C04MST-C04FST-70CB150 | Mini-C04MST-C04FST-70RB150 |
| 5    | 2m           | Mini-C05MST-C05FST-20CB150 | Mini-C05MST-C05FST-20RB150 |
|      | 5m           | Mini-C05MST-C05FST-50CB150 | Mini-C05MST-C05FST-50RB150 |
|      | 7m           | Mini-C05MST-C05FST-70CB150 | Mini-C05MST-C05FST-70RB150 |

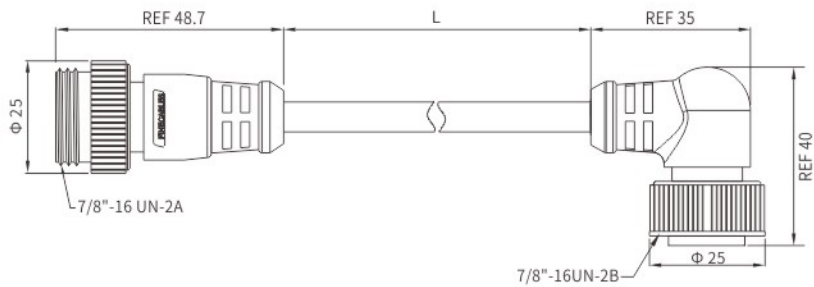
### Default wire colors

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

# Mini-change(7/8")



## Mini-change(7/8") Connector,Molded Cable



### Specifications

| Contacts              | 3                                                                          | 4 | 5 |
|-----------------------|----------------------------------------------------------------------------|---|---|
| Certification         | UL CYJV7 E321413                                                           |   |   |
| Pin layout(Male)      |                                                                            |   |   |
| Pin layout(Female)    |                                                                            |   |   |
| Ambient temperature   | -20°C ~ +80°C (flexible installation) , -40°C ~ +80°C (fixed installation) |   |   |
| Connector insert      | TPU                                                                        |   |   |
| Connector contacts    | Brass with gold plated                                                     |   |   |
| Connector overmold    | TPU                                                                        |   |   |
| Coupling nut/screw    | Aluminium anodized natural                                                 |   |   |
| Insulation resistance | ≥100MΩ                                                                     |   |   |
| Contact resistance    | ≤5mΩ                                                                       |   |   |
| Shielding             | Unavailable                                                                |   |   |
| IP rating             | IP68 in locked condition                                                   |   |   |
| Mating endurance      | >500 cycles                                                                |   |   |
| Rated current         | 13A                                                                        |   |   |
| Rated voltage         | 300V AC / DC                                                               |   |   |
| Wire gauge            | 1.5mm² (AWG16)                                                             |   |   |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                        | PUR                        |
|------|--------------|----------------------------|----------------------------|
| 3    | 2m           | Mini-C03MST-C03FRA-20CB150 | Mini-C03MST-C03FRA-20RB150 |
|      | 5m           | Mini-C03MST-C03FRA-50CB150 | Mini-C03MST-C03FRA-50RB150 |
|      | 7m           | Mini-C03MST-C03FRA-70CB150 | Mini-C03MST-C03FRA-70RB150 |
| 4    | 2m           | Mini-C04MST-C04FRA-20CB150 | Mini-C04MST-C04FRA-20RB150 |
|      | 5m           | Mini-C04MST-C04FRA-50CB150 | Mini-C04MST-C04FRA-50RB150 |
|      | 7m           | Mini-C04MST-C04FRA-70CB150 | Mini-C04MST-C04FRA-70RB150 |
| 5    | 2m           | Mini-C05MST-C05FRA-20CB150 | Mini-C05MST-C05FRA-20RB150 |
|      | 5m           | Mini-C05MST-C05FRA-50CB150 | Mini-C05MST-C05FRA-50RB150 |
|      | 7m           | Mini-C05MST-C05FRA-70CB150 | Mini-C05MST-C05FRA-70RB150 |

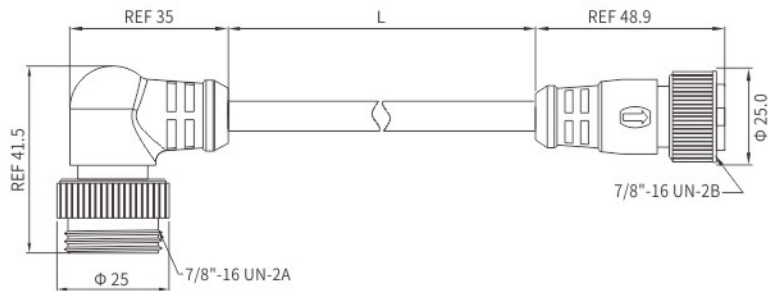
### Default wire colors

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

# Mini-change(7/8")



## Mini-change(7/8") Connector,Molded Cable



### Specifications

| Contacts              | 3                                                                                               | 4                                                                                 | 5                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Certification         |  CYJV7 E321413 |                                                                                   |                                                                                     |
| Pin layout(Male)      |                |  |  |
| Pin layout(Female)    |                |  |  |
| Ambient temperature   | -20°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    | Aluminium anodized natural                                                                      |                                                                                   |                                                                                     |
| Insulation resistance | ≥100MΩ                                                                                          |                                                                                   |                                                                                     |
| Contact resistance    | ≤5mΩ                                                                                            |                                                                                   |                                                                                     |
| Shielding             | Unavailable                                                                                     |                                                                                   |                                                                                     |
| IP rating             | IP68 in locked condition                                                                        |                                                                                   |                                                                                     |
| Mating endurance      | >500 cycles                                                                                     |                                                                                   |                                                                                     |
| Rated current         | 13A                                                                                             |                                                                                   |                                                                                     |
| Rated voltage         | 300V AC / DC                                                                                    |                                                                                   |                                                                                     |
| Wire gauge            | 1.5mm <sup>2</sup> (AWG16)                                                                      |                                                                                   |                                                                                     |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                        | PUR                        |
|------|--------------|----------------------------|----------------------------|
| 3    | 2m           | Mini-C03MRA-C03FST-20CB150 | Mini-C03MRA-C03FST-20RB150 |
|      | 5m           | Mini-C03MRA-C03FST-50CB150 | Mini-C03MRA-C03FST-50RB150 |
|      | 7m           | Mini-C03MRA-C03FST-70CB150 | Mini-C03MRA-C03FST-70RB150 |
| 4    | 2m           | Mini-C04MRA-C04FST-20CB150 | Mini-C04MRA-C04FST-20RB150 |
|      | 5m           | Mini-C04MRA-C04FST-50CB150 | Mini-C04MRA-C04FST-50RB150 |
|      | 7m           | Mini-C04MRA-C04FST-70CB150 | Mini-C04MRA-C04FST-70RB150 |
| 5    | 2m           | Mini-C05MRA-C05FST-20CB150 | Mini-C05MRA-C05FST-20RB150 |
|      | 5m           | Mini-C05MRA-C05FST-50CB150 | Mini-C05MRA-C05FST-50RB150 |
|      | 7m           | Mini-C05MRA-C05FST-70CB150 | Mini-C05MRA-C05FST-70RB150 |

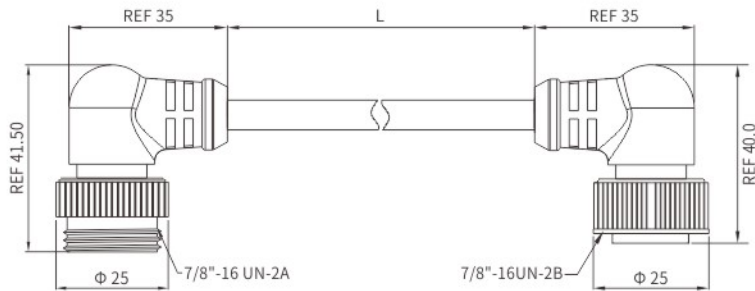
### Default wire colors

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

# Mini-change(7/8")



## Mini-change(7/8") Connector,Molded Cable



### Specifications

| Contacts              | 3                                                                          | 4             | 5 |
|-----------------------|----------------------------------------------------------------------------|---------------|---|
| Certification         |                                                                            | CYJV7 E321413 |   |
| Pin layout(Male)      |                                                                            |               |   |
| Pin layout(Female)    |                                                                            |               |   |
| Ambient temperature   | -20°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    | Aluminium anodized natural                                                 |               |   |
| Insulation resistance | ≥100MΩ                                                                     |               |   |
| Contact resistance    | ≤5mΩ                                                                       |               |   |
| Shielding             | Unavailable                                                                |               |   |
| IP rating             | IP68 in locked condition                                                   |               |   |
| Mating endurance      | >500 cycles                                                                |               |   |
| Rated current         | 13A                                                                        |               |   |
| Rated voltage         | 300V AC / DC                                                               |               |   |
| Wire gauge            | 1.5mm <sup>2</sup> (AWG16)                                                 |               |   |

### Part Number

Customized cable ending and length

| Pins | Cable length | PVC                        | PUR                        |
|------|--------------|----------------------------|----------------------------|
| 3    | 2m           | Mini-C03MRA-C03FRA-20CB150 | Mini-C03MRA-C03FRA-20RB150 |
|      | 5m           | Mini-C03MRA-C03FRA-50CB150 | Mini-C03MRA-C03FRA-50RB150 |
|      | 7m           | Mini-C03MRA-C03FRA-70CB150 | Mini-C03MRA-C03FRA-70RB150 |
| 4    | 2m           | Mini-C04MRA-C04FRA-20CB150 | Mini-C04MRA-C04FRA-20RB150 |
|      | 5m           | Mini-C04MRA-C04FRA-50CB150 | Mini-C04MRA-C04FRA-50RB150 |
|      | 7m           | Mini-C04MRA-C04FRA-70CB150 | Mini-C04MRA-C04FRA-70RB150 |
| 5    | 2m           | Mini-C05MRA-C05FRA-20CB150 | Mini-C05MRA-C05FRA-20RB150 |
|      | 5m           | Mini-C05MRA-C05FRA-50CB150 | Mini-C05MRA-C05FRA-50RB150 |
|      | 7m           | Mini-C05MRA-C05FRA-70CB150 | Mini-C05MRA-C05FRA-70RB150 |

### Default wire colors

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

## Global Sales & Marketing:

Headquartered in South of China, Finecables maintain contacts with customers throughout the world. Internationally, you can get in touch with Finecables by contacting our branches or regional distribution partners as below:



China

### Headquarter (Factory)

Tel: +86-(0)769-8519 1366  
 Fax: +86-(0)769-8504 5467  
 Email: info@finecables.com  
 Address: B5 Building, Nanmian Industrial Zone,  
 Humen Town, Dongguan City, China. 523900



China

### East China Sales Office

Tel: +86-(0)512-6238 6983  
 Email: smc.ec@finecables.com  
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 No.123, Suzhou Avenue, Industrial  
 Zone, Suzhou City, China. 215027



China

### Central China Sales Office

Tel: +86-(0)731-8433 3981  
 Email: smc.cc@finecables.com  
 Address: Shangcheng B3, Suite#1911, Kaiyuan  
 Road 79, economic development zone, Changsha  
 City, China. 410100



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Tel: +86-186 2344 1625  
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 Yangjiaping District, Jiulongpo, Chongqing



China

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