

**M12 Steel male 90° / M12 female 0° A-cod.**

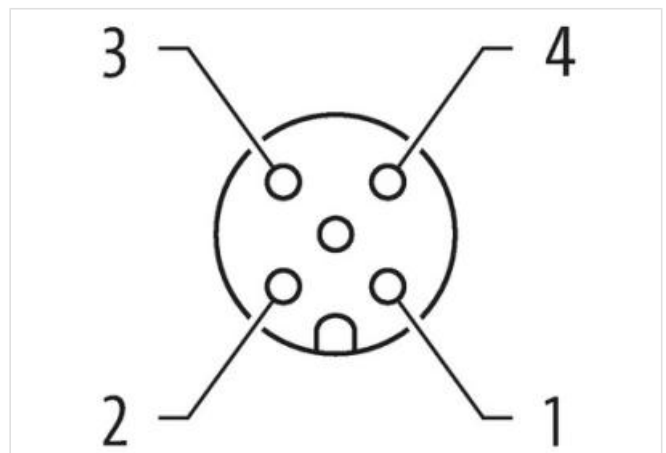
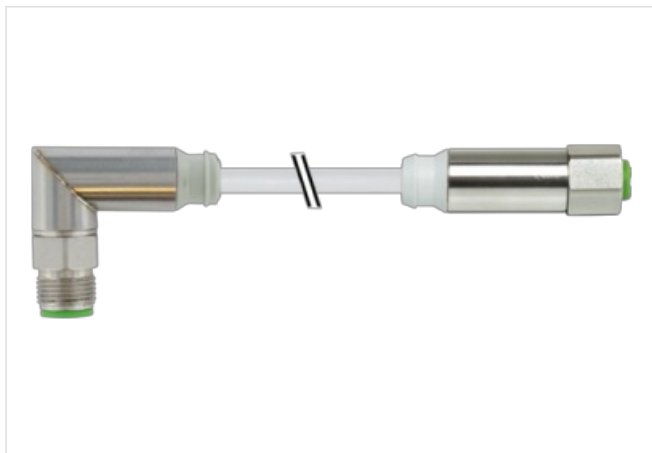
PVC 4x0.34 gy UL/CSA 5m

F&amp;B-Steel

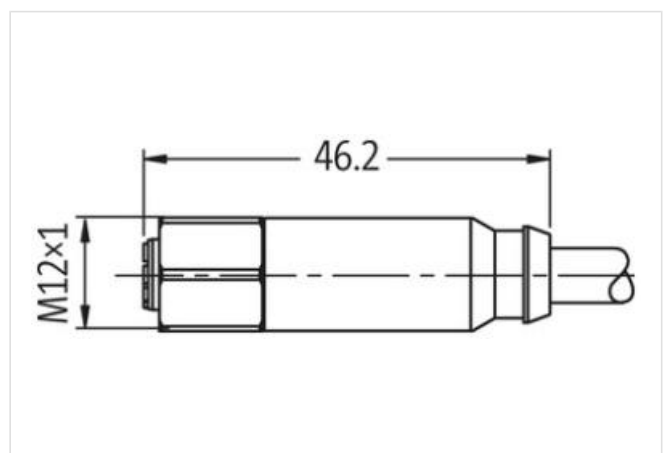
Male 90° – female straight

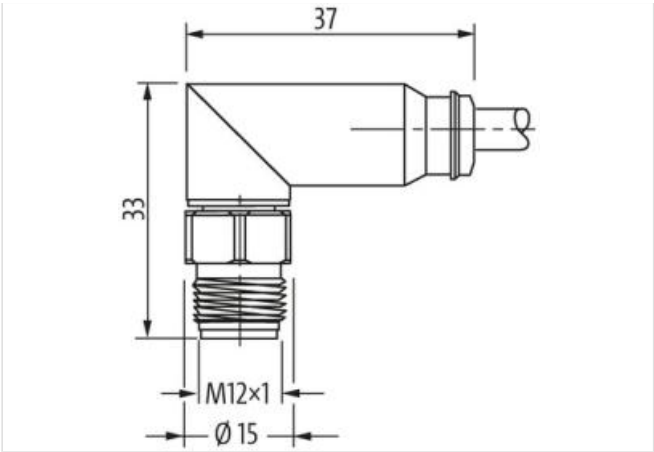
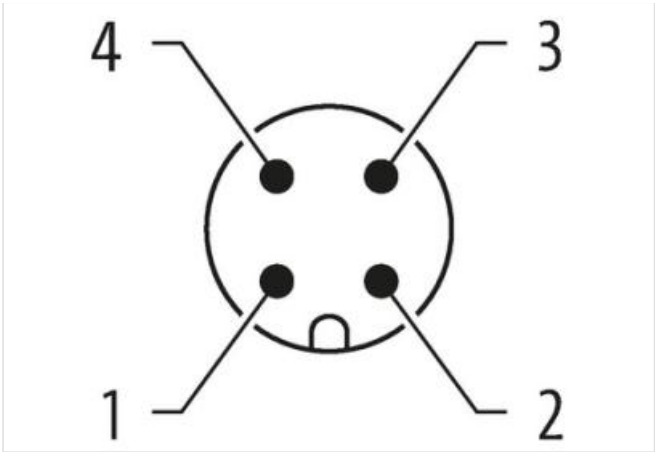
M12 – M12, 4-pole

Further cable lengths on request.

[Link to Product](#)**Illustration**

|   |    |   |
|---|----|---|
| 1 | BN | 1 |
| 2 | WH | 2 |
| 3 | BU | 3 |
| 4 | BK | 4 |





Product may differ from Image



|                                        |                                       |
|----------------------------------------|---------------------------------------|
| Cable length                           | 5 m                                   |
| Side 1                                 |                                       |
| Tightening torque                      | 0,6 Nm                                |
| Family construction form               | M12                                   |
| Thread                                 | M12 x 1                               |
| Degree of protection (EN IEC 60529)    | IP68, IP69K                           |
| Side 2                                 |                                       |
| Tightening torque                      | 0,6 Nm                                |
| Thread                                 | M12 x 1                               |
| Commercial data                        |                                       |
| ECLASS-6.0                             | 27279218                              |
| ECLASS-7.0                             | 27279218                              |
| ECLASS-8.0                             | 27279218                              |
| ECLASS-9.0                             | 27060311                              |
| ECLASS-10.1                            | 27060311                              |
| ECLASS-11.1                            | 27060311                              |
| ECLASS-12.0                            | 27060311                              |
| ETIM-5.0                               | EC001855                              |
| customs tariff number                  | 85444290                              |
| GTIN                                   | 4048879581110                         |
| Packaging unit                         | 1                                     |
| Electrical data   Supply               |                                       |
| Operating voltage AC max.              | 32 V                                  |
| Operating voltage DC max.              | 32 V                                  |
| Current operating per contact max.     | 4 A                                   |
| Device protection   Electrical         |                                       |
| Additional condition protection degree | inserted, screwed                     |
| Mechanical data   Material data        |                                       |
| Locking material                       | Stainless steel 1.4404 (V4A)          |
| Mechanical data   Mounting data        |                                       |
| Mounting method                        | inserted, screwed, Shaking protection |

**Environmental characteristics | Climatic**

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -40 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

**Important installation notes**

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| Note on bending radius | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

**Installation | Cable**

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| wire arrangement                                  | brown, black, blue, white                            |
| Cable identification                              | 214                                                  |
| Cable Type                                        | 1                                                    |
| Jacket Color                                      | gray                                                 |
| Type of Certificate                               | cURus                                                |
| Amount stranding                                  | 1                                                    |
| Stranding                                         | 4 wires twisted                                      |
| wire arrangement                                  | brown, black, blue, white                            |
| Cable weight                                      | 40,7 g/m                                             |
| Material jacket                                   | PVC                                                  |
| Shore hardness jacket                             | 85 ± 5 Shore A                                       |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free     |
| Outer-diameter (jacket)                           | 5 mm                                                 |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                |
| Material wire insulation                          | PVC                                                  |
| Amount wires                                      | 4                                                    |
| Outer diameter insulation                         | 1,25 mm                                              |
| Outer diameter tolerance core insulation          | ± 5 %                                                |
| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 19                                                   |
| Diameter of single wires                          | 0,15 mm                                              |
| Conductor crosssection (wire)                     | 0,34 mm²                                             |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| Nominal voltage AC max.                           | 300 V                                                |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,8 A                                                |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                          |
| Min. operating temperature (static)               | -30 °C                                               |
| Max. operating temperature (fixed)                | 80 °C                                                |
| Operating temperature min. (dynamic)              | -5 °C                                                |
| Operating temperature max. (dynamic)              | 80 °C                                                |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |