

**M12 male 0° / M12 female 90° A-cod. F&B**

PVC 3x0.34 gy UL/CSA 0.6m

Art.No.: 7014-40101-2130060

Weight: 0.042 kg

Country of origin: DE

Model designation: MSDL0-A-R213\_0.6-S14

**F&B**

Male straight – female 90°

M12 – M12, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

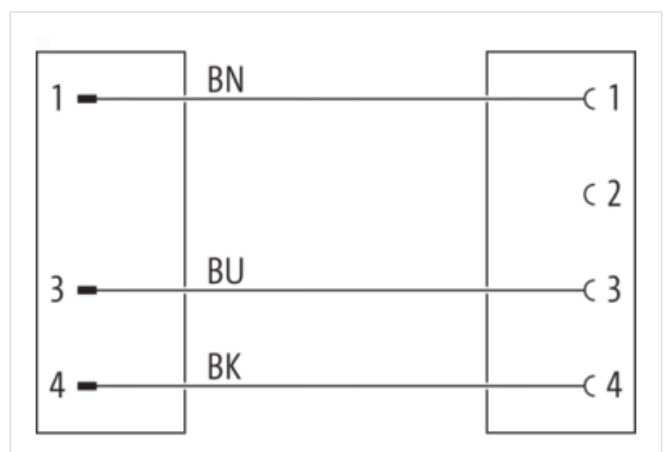
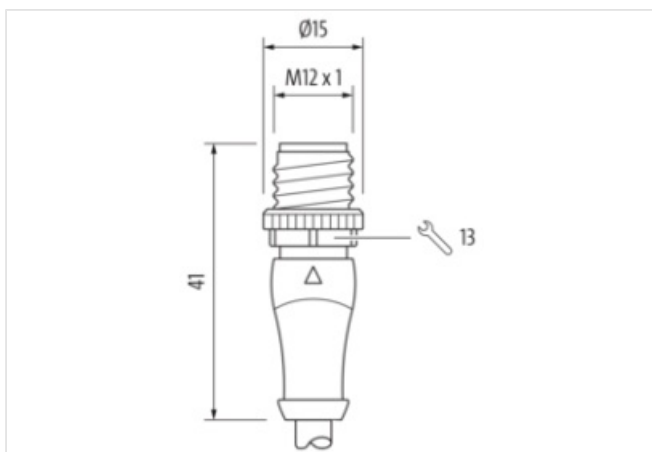
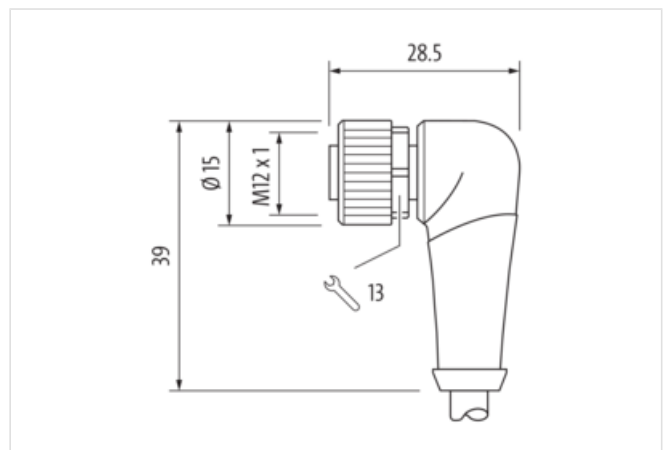
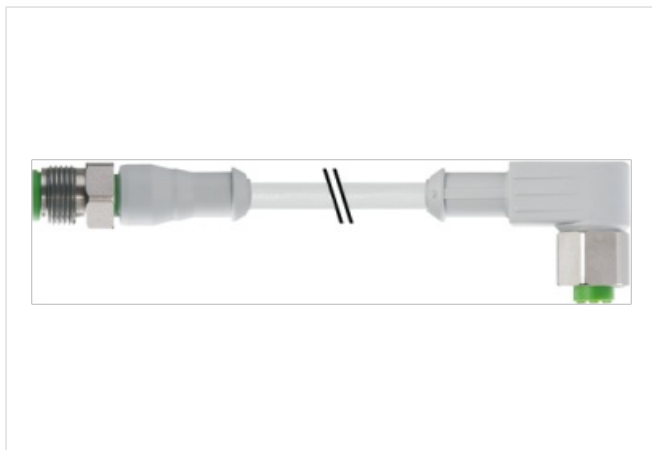
Stainless steel 1.4404 (V4A)

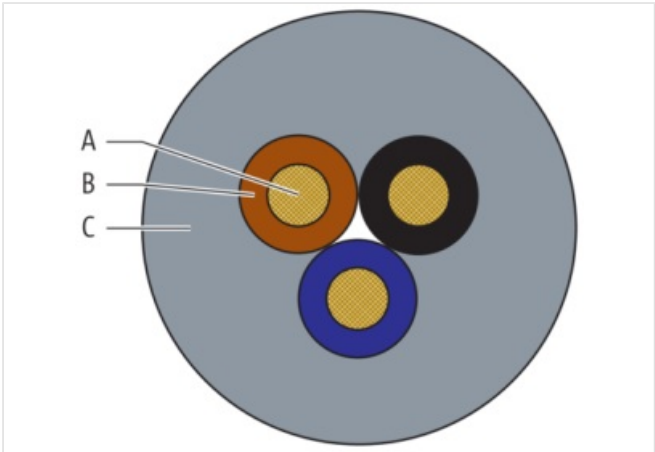
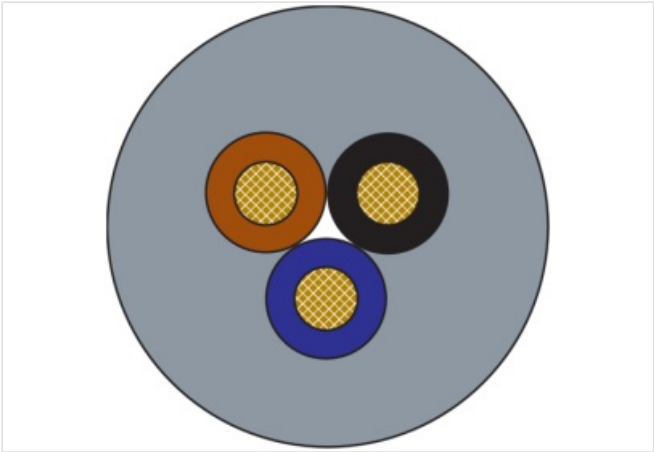
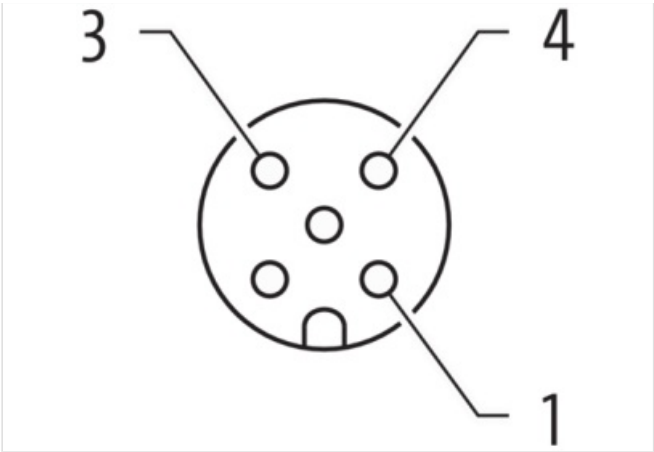
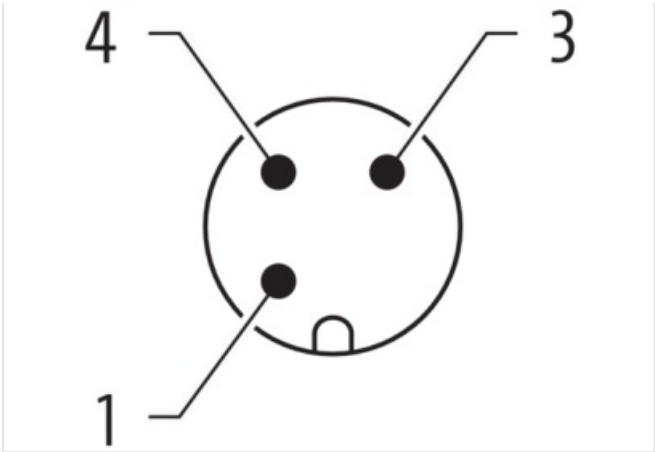
Profile gasket

Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

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



Product may differ from Image



Header

Material short text  
MSDL0-A-R213\_0.6-S14

Cable length  
0,60 m

Side 1

|                                           |                                |
|-------------------------------------------|--------------------------------|
| Family construction form                  | M12                            |
| No. of poles                              | 3                              |
| Coding                                    | A                              |
| Gender                                    | male                           |
| Mounting method                           | inserted, screwed              |
| Threaded hole                             | M12 x 1                        |
| Tightening torque                         | 0,6 Nm                         |
| Width across flats                        | SW14                           |
| Cable outlet                              | straight                       |
| suitable for corrugated tube (internal Ø) | 10 mm                          |
| Material contact                          | Copper alloy                   |
| Coating contact                           | gold plated                    |
| Degree of protection (EN IEC 60529)       | IP67, IP69K, IP68, IP66K, IP65 |

**Side 2**

|                                           |                                |
|-------------------------------------------|--------------------------------|
| Family construction form                  | M12                            |
| No. of poles                              | 3                              |
| Coding                                    | A                              |
| Gender                                    | female                         |
| Mounting method                           | inserted, screwed              |
| Threaded hole                             | M12 x 1                        |
| Tightening torque                         | 0,6 Nm                         |
| Width across flats                        | SW14                           |
| Cable outlet                              | angled                         |
| suitable for corrugated tube (internal Ø) | 10 mm                          |
| Material contact                          | Copper alloy                   |
| Coating contact                           | gold plated                    |
| Degree of protection (EN IEC 60529)       | IP67, IP69K, IP68, IP66K, IP65 |

**Commercial data**

|                       |                                                                                                                     |
|-----------------------|---------------------------------------------------------------------------------------------------------------------|
| URL Webshop           | <a href="https://shop.murrelektronik.com/7014-40101-2130060">https://shop.murrelektronik.com/7014-40101-2130060</a> |
| GTIN                  | 4048879590730                                                                                                       |
| ECLASS-6.0            | 27279218                                                                                                            |
| ECLASS-6.1            | 27279218                                                                                                            |
| ECLASS-7.0            | 27279218                                                                                                            |
| ECLASS-7.1            | 27279218                                                                                                            |
| ECLASS-8.0            | 27279218                                                                                                            |
| ECLASS-8.1            | 27279218                                                                                                            |
| ECLASS-9.0            | 27060311                                                                                                            |
| ECLASS-9.1            | 27060311                                                                                                            |
| ECLASS-10.0.1         | 27060311                                                                                                            |
| ECLASS-10.1           | 27060311                                                                                                            |
| ECLASS-11.0           | 27060311                                                                                                            |
| ECLASS-11.1           | 27060311                                                                                                            |
| ECLASS-12.0           | 27060311                                                                                                            |
| ECLASS-13.0           | 27060311                                                                                                            |
| ECLASS-14.0           | 27060311                                                                                                            |
| ETIM-5.0              | EC001855                                                                                                            |
| ETIM-6.0              | EC001855                                                                                                            |
| ETIM-7.0              | EC001855                                                                                                            |
| ETIM-8.0              | EC001855                                                                                                            |
| customs tariff number | 85444290                                                                                                            |
| EAN                   | 4048879590730                                                                                                       |
| Packaging unit        | 1                                                                                                                   |

**Electrical data | Supply**

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating voltage AC max.                       | 250 V                                                                                                                                                 |
| Operating voltage DC max.                       | 250 V                                                                                                                                                 |
| Current operating per contact max.              | 4 A                                                                                                                                                   |
| <b>Diagnostics</b>                              |                                                                                                                                                       |
| Status indication LED                           | No                                                                                                                                                    |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP67, IP69K, IP68, IP66K, IP65                                                                                                                        |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Locking material                                | Stainless steel 1.4404 (V4A)                                                                                                                          |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | inserted, screwed, Shaking protection                                                                                                                 |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -30 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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. |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.                                                   |
| <b>Conformity</b>                               |                                                                                                                                                       |
| Product standard                                | EN IEC 61076-2-101 (M12)                                                                                                                              |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| Cable identification                            | 213                                                                                                                                                   |
| Cable Type                                      | 1                                                                                                                                                     |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 3 wires stranded                                                                                                                                      |
| Wire arrangement                                | brown, black, blue                                                                                                                                    |
| Cable weight                                    | 31 g/m                                                                                                                                                |
| Material wire insulation                        | PVC                                                                                                                                                   |
| Amount wires                                    | 3                                                                                                                                                     |
| Outer diameter insulation                       | 1,25 mm                                                                                                                                               |
| Outer diameter tolerance core insulation        | ± 0,05 mm                                                                                                                                             |
| 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                                                                                                                                        |
| Outer-diameter (jacket)                         | 4,6 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material jacket                                 | PVC                                                                                                                                                   |
| Shore hardness jacket                           | 85 ± 5 Shore A                                                                                                                                        |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, silicone-free                                                                                                      |
| Material property (jacket)                      | good machinability                                                                                                                                    |
| Conductor resistance (wire)                     | 57 Ω/km @ 20 °C                                                                                                                                       |
| Nominal voltage max.                            | 300 V                                                                                                                                                 |

|                                      |                                        |
|--------------------------------------|----------------------------------------|
| Withstand voltage (wire - wire)      | 2 kV @ 60 s                            |
| Withstand voltage (wire - jacket)    | 2 kV @ 60 s                            |
| Current load capacity (standard)     | to DIN VDE 0298-4                      |
| Current load capacity max. (wire)    | 6 A                                    |
| Operating temperature min. (static)  | -30 °C                                 |
| Operating temperature max. (static)  | 80 °C                                  |
| Operating temperature min. (dynamic) | -5 °C                                  |
| Operating temperature max. (dynamic) | 80 °C                                  |
| Flame resistance                     | UL 1581 § 1080, CSA FT1, IEC 60332-1-2 |
| Oil resistance                       | good                                   |
| Chemical resistance                  | good                                   |
| Other resistances                    | good resistance to gasoline            |
| Bending radius (fixed)               | 5 × Outer diameter                     |
| Bending radius (dynamic)             | 10 × Outer diameter                    |