

**M12 female 0° A-cod. with cable F&B**

PVC 4x0.34 gy UL/CSA 3m

Art.No.: 7014-12221-2140300

Weight: 0.132 kg

Country of origin: DE

Model designation: MSBL0-T214\_3.0-S14

Plug Connectors for Food &amp; Beverage

Female straight

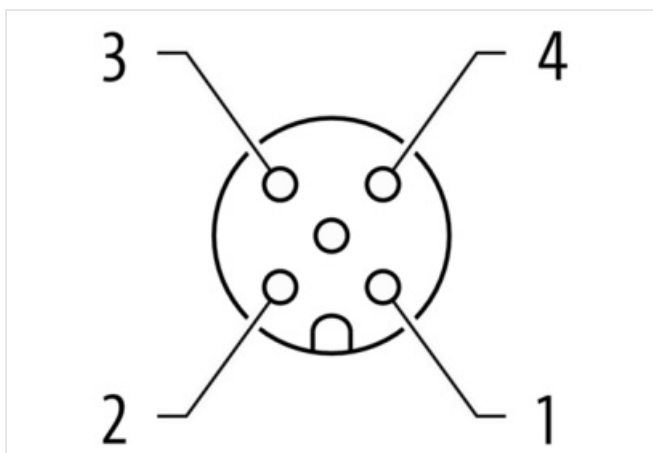
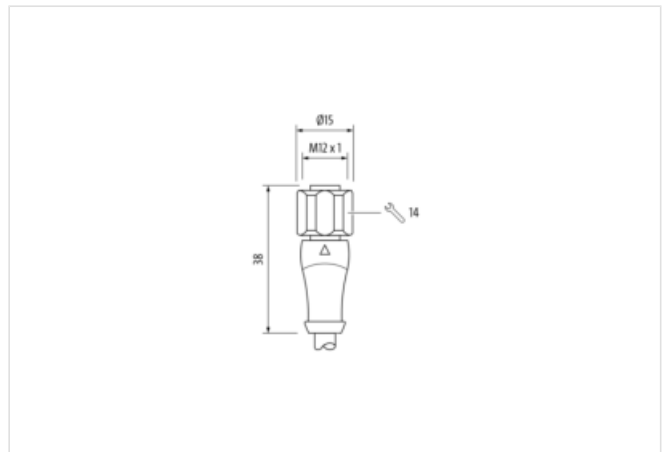
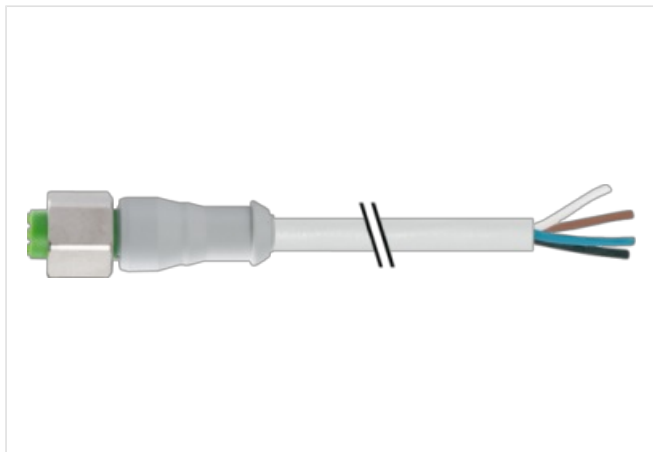
M12, 4-pole

A-coded

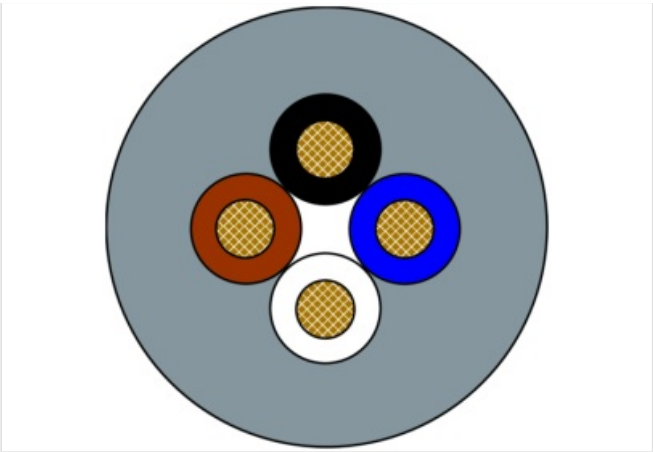
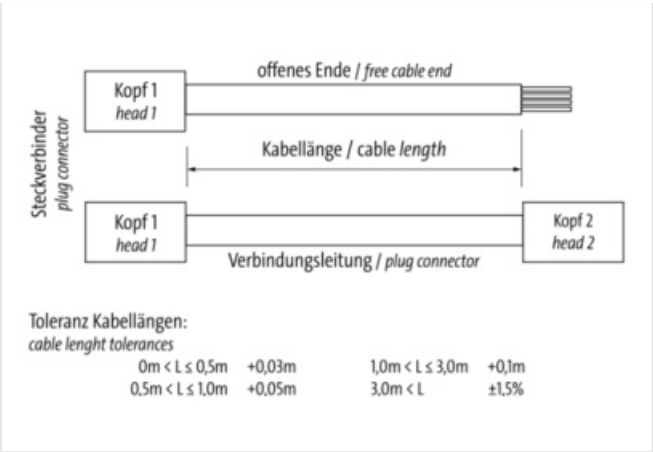
Stainless steel 1.4404 (V4A)

Profile gasket

Further cable lengths on request.

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

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



Product may differ from Image



|                                           |                                                                                                                     |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Cable length                              | 3,00 m                                                                                                              |
| Side 1                                    |                                                                                                                     |
| Family construction form                  | M12                                                                                                                 |
| No. of poles                              | 4                                                                                                                   |
| Coding                                    | A                                                                                                                   |
| Gender                                    | female                                                                                                              |
| 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                  | free cable end                                                                                                      |
| Stripping length (jacket)                 | 20 mm                                                                                                               |
| Commercial data                           |                                                                                                                     |
| URL Webshop                               | <a href="https://shop.murrelektronik.com/7014-12221-2140300">https://shop.murrelektronik.com/7014-12221-2140300</a> |
| GTIN                                      | 4048879108935                                                                                                       |
| EU-Customs tariff number                  | 85444290                                                                                                            |
| US-Customs tariff number                  | 8544429090                                                                                                          |
| 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      |
| ETIM-9.0              | EC001855      |
| ETIM-10.0             | EC001855      |
| customs tariff number | 85444290      |
| EAN                   | 4048879108935 |
| 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   |

#### Diagnostics

|                       |    |
|-----------------------|----|
| Status indication LED | No |
|-----------------------|----|

#### Device protection | Electrical

|                                        |                                |
|----------------------------------------|--------------------------------|
| Degree of protection (EN IEC 60529)    | IP67, IP69K, IP68, IP66K, IP65 |
| Additional condition protection degree | inserted, screwed              |
| Pollution Degree                       | 3                              |
| Rated surge voltage                    | 2,5 kV                         |
| Material group (IEC 60664-1)           | I                              |

#### 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.             | -30 °C                     |
| Operating temperature max.             | 85 °C                      |
| Additional condition temperature range | depending on cable quality |

#### Important installation notes

|                        |                                                                                                                                                       |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                   |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | EN IEC 61076-2-101 (M12) |
|------------------|--------------------------|

#### Installation | Cable

|                           |                      |
|---------------------------|----------------------|
| Cable identification      | 214                  |
| Cable Type                | 1                    |
| Cable weight              | 37 g/m               |
| UL AWM Style              | 2464 / 1731          |
| Stranding                 | 1 × 4 wires stranded |
| Wire arrangement          | BN, BK, BU, WH       |
| Material wire insulation  | PVC                  |
| Amount wires              | 4                    |
| Outer diameter insulation | 1.25 mm ± 0.05 mm    |

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Conductor crosssection (wire)       | 0,34 mm²                                         |
| Material conductor wire             | Stranded copper wire, bare                       |
| Core construction (wire)            | 19 × 0.15 mm                                     |
| Material properties wire insulation | good machinability                               |
| Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, silicone-free |
| Material jacket                     | PVC                                              |
| Outer-diameter (jacket)             | 5 mm ± 5 %                                       |
| Jacket Color                        | gray / RAL 7040                                  |
| 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 max. (wire)   | 4,8 A                                            |
| Current load capacity (standard)    | to DIN VDE 0298-4                                |
| Operating temperature (static)      | -30 °C ... 80 °C                                 |
| Operating temperature (dynamic)     | -5 °C ... 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                      |
| Notes                               | application-related testing                      |
| Bending radius (fixed)              | 5 × Outer diameter                               |
| Bending radius (dynamic)            | 10 × Outer diameter                              |