

**M12 male 0° A-cod. with cable shielded**

TPE 4x2x24AWG SF/UTP CAT5e bu UL/CSA. CM 0.6m

USA

Ethernet CAT5

Male straight

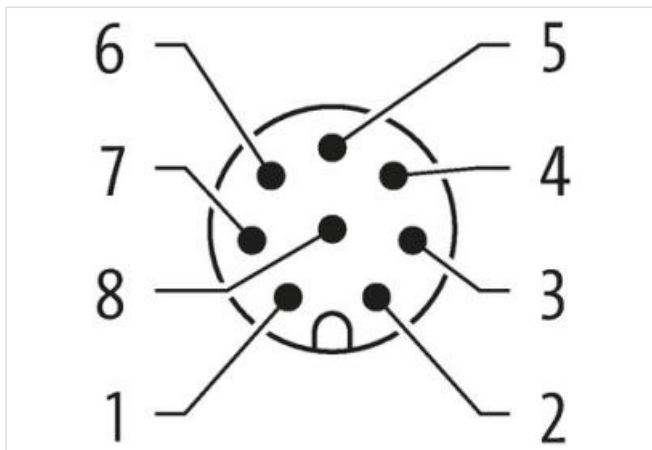
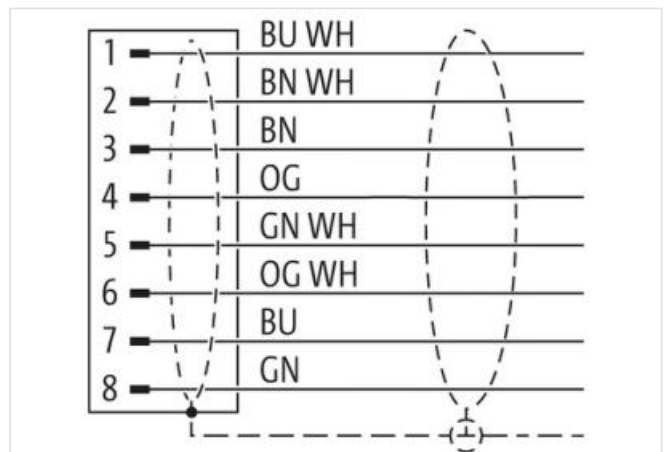
M12, 8-pole

with cable sleeves

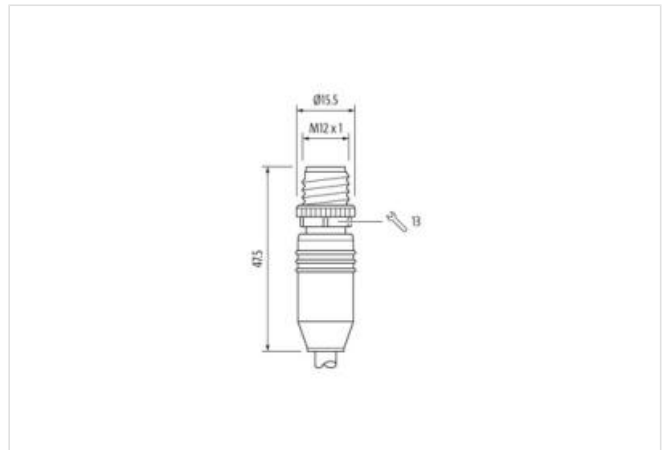
Plastic housings with good resistance against chemicals and oils.

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



Cable length

0,6 m

**Side 1**

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

Murrelektronik Ltd. | 5 Albion Street, Pendlebury Industrial Estate, Swinton | Manchester M27 4FG | Fon +44 161 728 3133 | Fax +44 161 728 3130 | shop@murrelektronik.co.uk | shop.murrelektronik.co.uk

|   |   |
|---|---|
| Tightening torque                               | 0,6 Nm  |
| Mounting method                                 | inserted, screwed   |
| Family construction form                        | M12   |
| Thread  | M12 x 1   |
| Coding  | A   |
| No. of poles                                    | 8   |
| Width across flats                              | SW13  |
| <b>Side 2</b>                                   |   |
| Stripping length (jacket)                       | 60 mm   |
| Family construction form                        | free cable end  |
| <b>Commercial data</b>                          |   |
| ECLASS-6.0                                      | 27279218  |
| ECLASS-7.0                                      | 27279218  |
| ECLASS-8.0                                      | 27279218  |
| ECLASS-9.0                                      | 27060311  |
| ECLASS-10.1                                     | 27060307  |
| ECLASS-11.1                                     | 27060307  |
| ECLASS-12.0                                     | 27060307  |
| ETIM-5.0  | EC002599  |
| customs tariff number                           | 85444290  |
| GTIN  | 4048879602228   |
| Packaging unit                                  | 1   |
| <b>Electrical data   Supply</b>                 |   |
| Operating voltage DC max.                       | 60 V  |
| Current operating per contact max.              | 1,5 A   |
| <b>Industrial communication</b>                 |   |
| Transfer parameters                             | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  |
| Data transmission rate max.                     | 1000 MBit/s   |
| <b>Installation   Connection</b>                |   |
| Stripping length (jacket)                       | 60 mm   |
| <b>Device protection   Electrical</b>           |   |
| Degree of protection (EN IEC 60529)             | IP65, IP67, IP66K   |
| Additional condition protection degree          | inserted, screwed   |
| Pollution Degree                                | 2   |
| Rated surge voltage                             | 0,8 kV  |
| Material group (IEC 60664-1)                    | I   |
| <b>Mechanical data</b>                          |   |
| Contour for corrugated hose                     | without   |
| <b>Mechanical data   Mounting data</b>          |   |
| Mounting method                                 | inserted, screwed, Shaking protection   |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -25 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality  |
| <b>Important installation notes</b>             |   |
| 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. |
| <b>Conformity</b>                               |   |
| Product standard                                | DIN EN 61076-2-101 (M12)  |

| Installation   Cable                              |  |
|---|--|
| Cable identification                              | S4W  |
| Jacket Color                                      | blue   |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 4  |
| Stranding   | 2 wires twisted  |
| Stranding (type 2)                                | 4 Stranded joints twisted  |
| Banding   | Foil   |
| wire arrangement                                  | (orange-white, orange), (blue-white, blue), (brown-white, brown), (green-white, green) |
| Cable weigth                                      | 74,8 g/m   |
| Material jacket                                   | TPE  |
| Freedom from ingredients (jacket)                 | lead-free, CFC-free  |
| Outer-diameter (jacket)                           | 7,6 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | HDPE   |
| Amount wires                                      | 8  |
| Outer diameter insulation                         | 1,17 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Ingredient freeness wire insulation               | lead-free, CFC-free  |
| Amount strands (wire)                             | 7  |
| Diameter of single wires                          | 24 AWG   |
| Conductor crosssection (wire)                     | 24 AWG   |
| Material conductor wire                           | copper stranded wire, tinned   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 4 A  |
| Electrical resistance line constant wire          | 59 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 3 kV @ 60 s  |
| Electrical capacity line constant (wire - wire)   | 49000 pF/km  |
| Power frequency withstand voltage (wire - jacket) | 3 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 70 °C  |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2                                    |
| chemical resistance                               | Good, application-related testing  |
| Gasoline resistance                               | Good, application-related testing  |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing                                   |
| Bending radius (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| Travel speed (C-track)                            | 1 Mio. @ 25 °C   |
| No. of torsion cycles                             | 3 Mio. 25 °C   |
| Torsion stress                                    | ± 270 °/m  |