MURR ELEKTRONIK

stay connected

M12 female 0° A-cod. with cable shielded

PVC 5x0.34 shielded gy UL/CSA 35m

Art.No.: 7000-13221-2023500
Weight: 2.187
Country of origin: CZ
Model designation: MSBL0-U202_35.0-ZE

Advantages of our connectors:

Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available on request

If you are missing technical information? Please feel free to use our dictionary to find more technical details.

Product details:
M12, 5-pole
Female straight
shielded
with cable sleeves
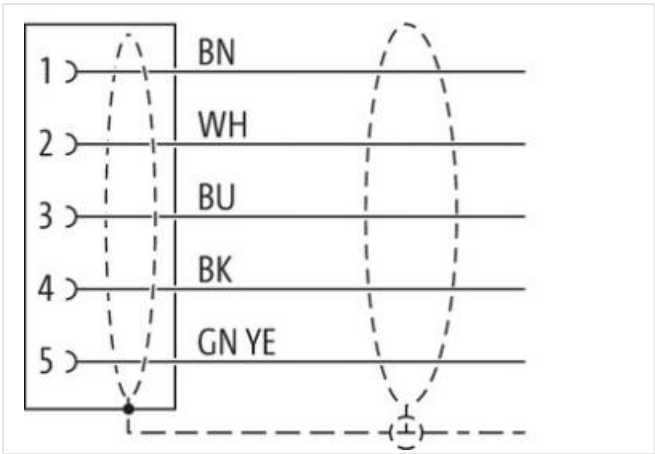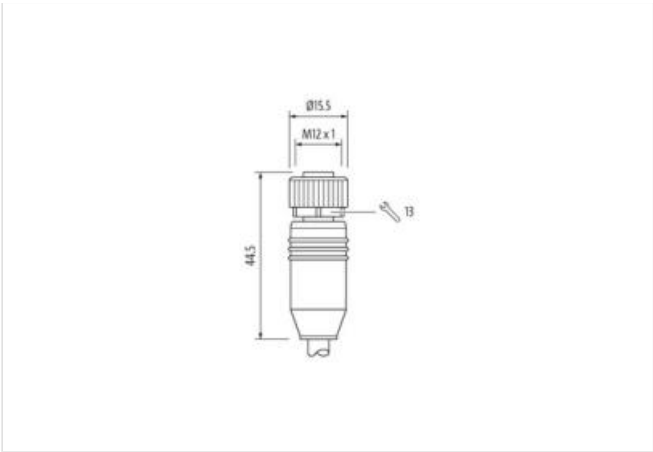**Plastic housings with good resistance against chemicals and oils.**
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.

Link to Product

Illustration

offenes Ende / *free cable end*

Kopf 1 *head 1*

Steckverbinder *plug connector*

Kabellänge / *cable length*

Kopf 1 *head 1*

Kopf 2 *head 2*

Verbindungsleitung / *plug connector*

Toleranz Kabellängen:
cable lenght tolerances

| 0m < L ≤ 0,5m | +0,03m | 1,0m < L ≤ 3,0m | +0,1m |
| 0,5m < L ≤ 1,0m | +0,05m | 3,0m < L | ±1,5% |
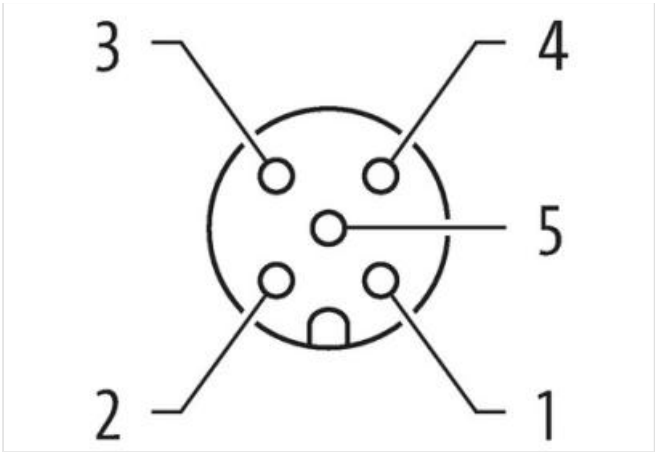
Product may differ from Image

Cable length	35 m	
Side 1		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Family construction form	M12	
Thread	M12 x 1	
Cable outlet	straight	
Coding	A	
Material	PUR	
Width across flats	SW13	
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Side 2		
Stripping length (jacket)	20 mm	
Commercial data		
ECLASS-6.0	27279218	
ECLASS-6.1	27279218	
ECLASS-7.0	27279218	

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: 2025-06-13

ECLASS-8.0	**27279218**
ECLASS-9.0	**27060311**
ECLASS-10.1	**27060311**
ECLASS-11.1	**27060311**
ECLASS-12.0	**27060311**
ETIM-5.0	**EC001855**
ETIM-6.0	**EC001855**
ETIM-7.0	**EC001855**
ETIM-8.0	**EC001855**
customs tariff number	**85444290**
customs tariff number	**85444290**
EAN	**4048879565868**
EAN	**4048879565868**
Packaging unit	**1**
Packaging unit	**1**

Electrical data | Supply

Operating voltage AC max.	**60 V**
Operating voltage DC max.	**60 V**
Current operating per contact max.	**4 A**

Installation | Connection

Stripping length (jacket)	**20 mm**
Mounting set	**M12 x 1**
Gender	**female**

Device protection | Electrical

Additional condition protection degree	**inserted, screwed**
Pollution Degree	**3**
Rated surge voltage	**1,5 kV**
Material group (IEC 60664-1)	**I**

Mechanical data

Contour for corrugated hose	**without**

Mechanical data | Material data

Coating locking	**Nickeled**
Coating of fitting	**nickel plated**
Locking material	**Zinc die-casting**
Material screw connection	**Zinc die-casting**

Mechanical data | Mounting data

Mounting method	**inserted, screwed, Shaking protection**

Environmental characteristics | Climatic

Operating temperature min.	**-25 °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	**Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.**

Conformity

Product standard	**DIN EN 61076-2-101 (M12)**

Installation | Cable

wire arrangement	**brown, black, blue, white, green-yellow**
Cable identification	**202**

Cable Type	**1**
Jacket Color	**gray**
Type of Certificate	**cURus**
Amount stranding	**1**
Stranding	**5 wires around Core filler twisted**
Cable shielding (type)	**copper braid, tinned**
Cable shielding (coverage)	**80 %**
Banding	**Fleece, Foil**
Filler	**yes**
wire arrangement	**brown, black, blue, white, green-yellow**
Cable weigth	**68,2 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)	**5,6 mm**
Tolerance outer diameter (sheath)	**± 5 %**
Material wire insulation	**PVC**
Amount wires	**5**
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	**4,5 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**
AC withstand voltage (wire - shield)	**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 § 1090 | UL 1581 § 1100 FT2 | IEC 60332-2-2**
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)	**10 x Outer diameter**
Bending radius (dynamic)	**15 x Outer diameter**