

M12 female 90° A-cod. with cable shielded F&B

PVC 5x0.34 shielded gy 10m

Art.No.: 7014-13281-3481000

Weight: 0.585 kg

Country of origin: CZ

Model designation: MSDL0-U348_10.0-ZS-S14

Plug Connectors for Food & Beverage

Female 90°

M12, 5-pole

Shielded

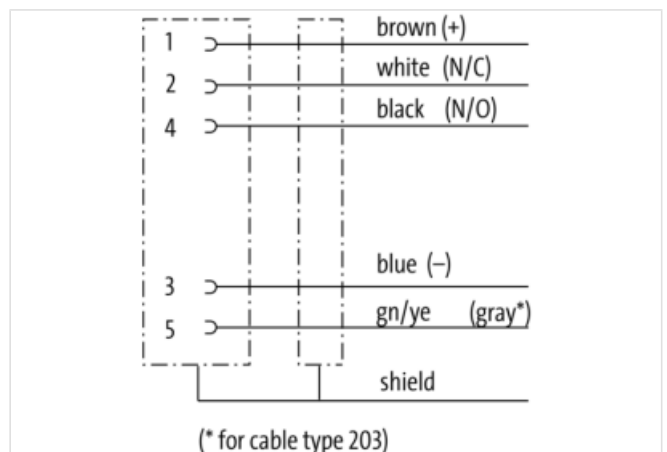
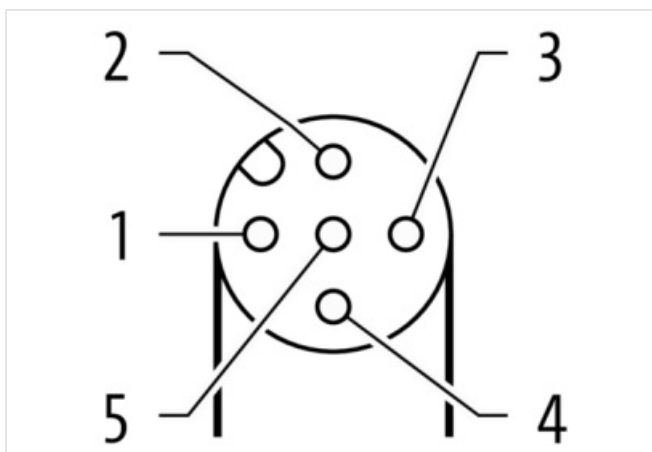
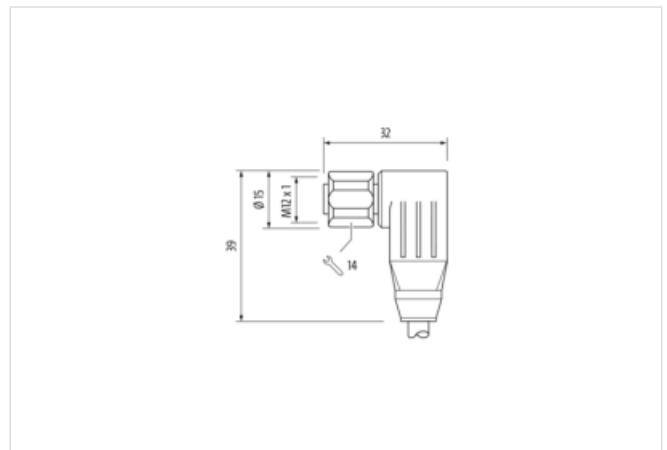
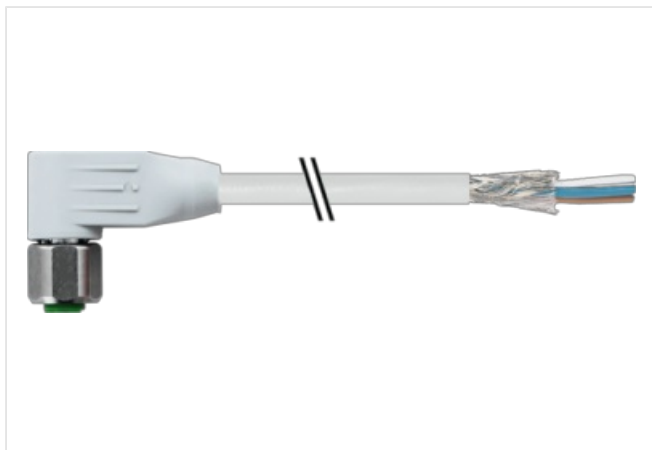
A-coded

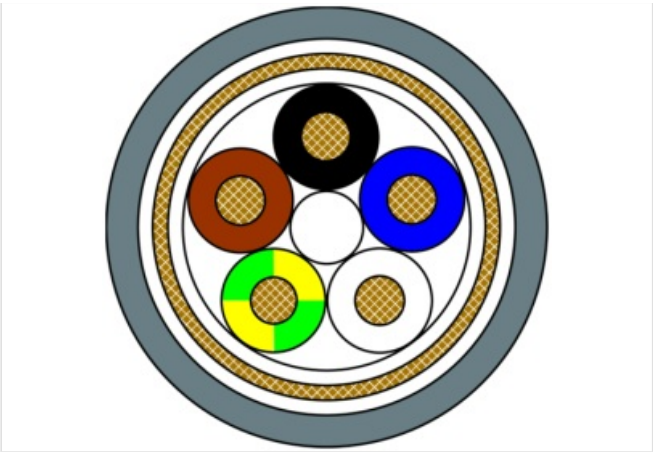
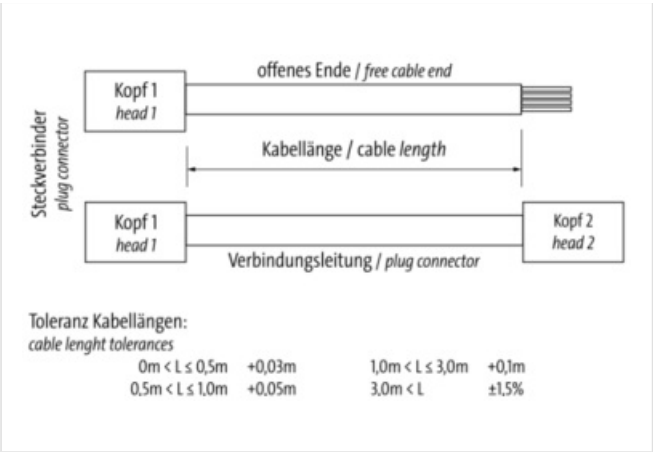
Profile gasket

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



Cable length	10,00 m
Side 1	
Family construction form	M12
No. of poles	5
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
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	https://shop.murrelektronik.com/7014-13281-3481000
GTIN	4048879108546
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	4048879108546
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

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	1,5 kV
Material group (IEC 60664-1)	I

Mechanical data

Contour for corrugated hose	without
-----------------------------	---------

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	Attention: 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	348
Cable weight	65,5 g/m
Stranding	1 Wires
Stranding factor min.	75 mm
Stranding factor max.	75 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	Yes

Wire arrangement	BN, BK, BU, WH, GNYE
Shield	shielded
Material wire insulation	PVC
Amount wires	5
Outer diameter insulation	1.4 mm ± 0.2 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Core construction (wire)	42 × 0.1 mm
Ingredient freeness wire insulation	lead-free, CFC-free
Material jacket	PVC
Outer-diameter (jacket)	5.9 mm ± 5 %
Jacket Color	gray / RAL 7001
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material property (jacket)	good machinability
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Conductor resistance (wire)	57 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Withstand voltage (wire - jacket)	1.5 kV @ 60 s
Withstand voltage (wire - shield)	1.5 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 ... 70 °C
Bending radius (dynamic)	15 × Outer diameter