

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

PVC 0.5+0.25 shielded gy 3m

Art.No.: 7014-46061-5220300

Weight: 0.352

Country of origin: DE

Model designation: MSDL0-C-6p2_522_3.0-ZE-S14

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:

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

Cube67

Male 90° – female 90°

M12 – M12, 6-pole

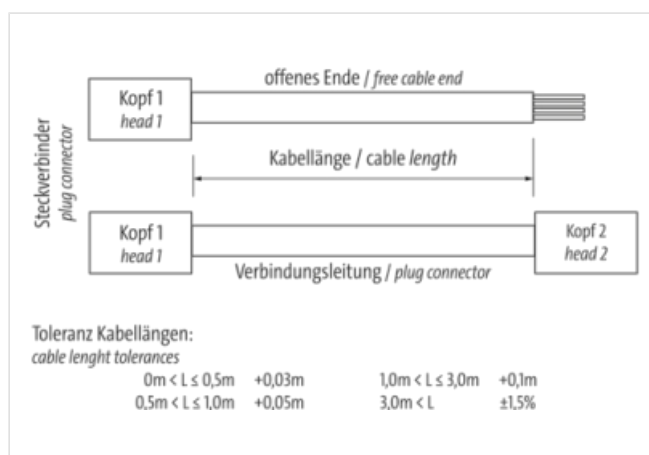
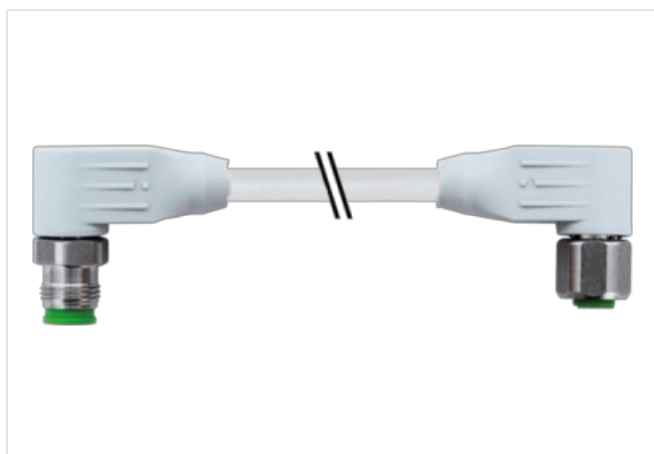
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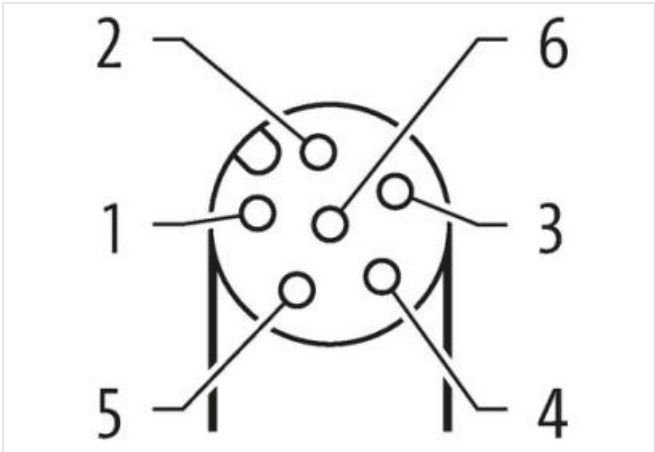
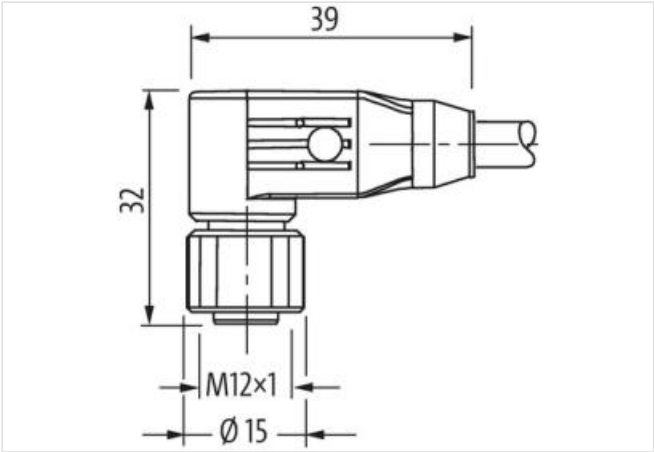
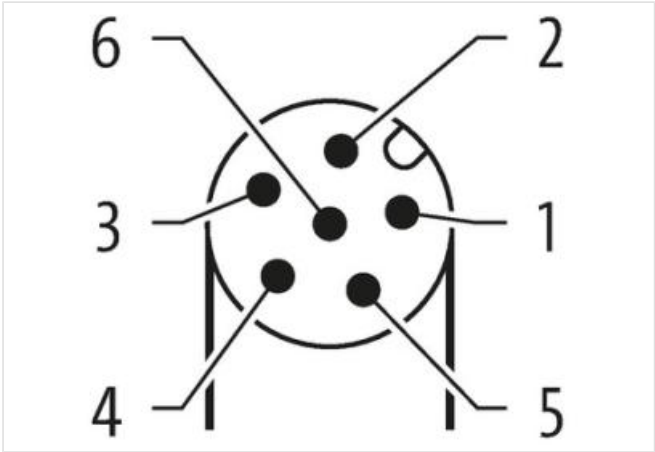
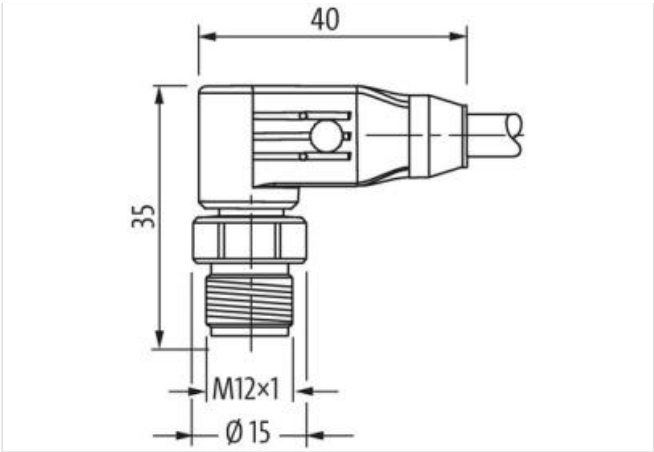
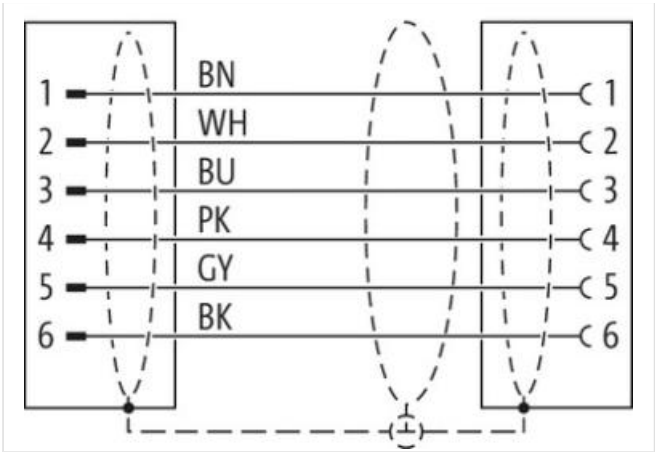
Stainless steel 1.4404 (V4A)

shielded

without cable sleeves

Plastic housings with good resistance against chemicals and oils.

[Link to Product](#)
Illustration




Product may differ from Image

Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Gender	male

Cable outlet	angled
Coding	A
Material contact	Copper alloy
No. of poles	6
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67, IP68, IP69K
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Gender	female
Cable outlet	angled
Coding	A
Material contact	Copper alloy
No. of poles	6
Width across flats	SW14
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67, IP68, IP69K
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879711227
EAN	4048879711227
Packaging unit	1
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68, IP66K, IP69K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Material gasket	FKM

Locking material Stainless steel 1.4404 (V4A)

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 blue, white, brown, black, (gray, pink)

Cable identification 522

Function cable Hybrid, Signal, Data

Jacket Color gray

Amount stranding 1

Stranding 2 wires twisted

Amount stranding (type 2) 1

Stranding (type 2) 4 wires with Filler with Stranding combination twisted

Cable shielding (type) copper braid, tinned

Cable shielding (coverage) 85 %

Banding Fleece

Filler yes

wire arrangement blue, white, brown, black, (gray, pink)

Cable weight 104,5 g/m

Material jacket PVC

Freedom from ingredients (jacket) lead-free, CFC-free

Outer-diameter (jacket) 7,9 mm

Tolerance outer diameter (sheath) $\pm 5\%$

Material wire insulation TPE-E

Amount wires 4

Outer diameter insulation 1,5 mm

Outer diameter tolerance core insulation $\pm 5\%$

Ingredient freeness wire insulation lead-free, CFC-free

Conductor crosssection (wire) 0,5 mm²

Material conductor wire Stranded copper wire, bare

Material wire insulation (Data) TPE-E

Outer diameter wire insulation (Data) 1,4 mm

Tolerance outer diameter wire insulation (data) $\pm 5\%$

Ingredient freeness wire insulation (Data) lead-free, CFC-free

Amount wires (Data) 2

Conductor crosssection wire (Data) 0,25 mm²

Material conductor wire (Data) Stranded copper wire, bare

Nominal voltage AC max. 500 V

Current load capacity (standard) to DIN VDE 0298-4

Current load capacity min. wire 4,5 A

Current load capacity min. Wire (Data) 7,2 A

Electrical resistance line constant wire 75 Ω /km @ 20 °C

Electrical resistance coating wire (Data) 34 Ω /km @ 20 °C

AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Electric inductivity line constant	0,65 mH/km
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,2 kV @ 60 s
Isolation resistance	200 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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
Traversing distance (C-track)	5 m
Travel speed (C-track)	2 m/s