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 kg
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

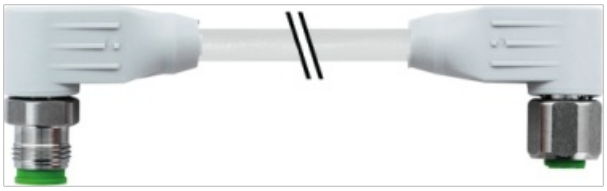
If you are missing technical information? Please feel free to use our dictionary to find more technical details.

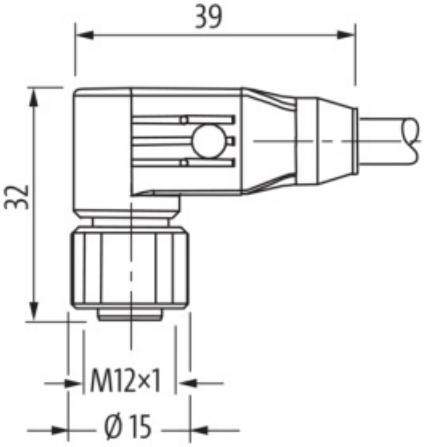
Product details:

Cube67
Male 90° – female 90°
M12 – M12, 6-pole
A-coded
Stainless steel 1.4404 (V4A)
Shielded
without 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





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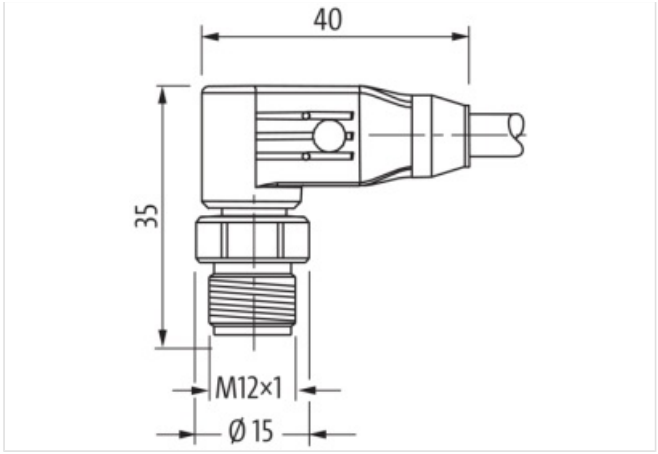

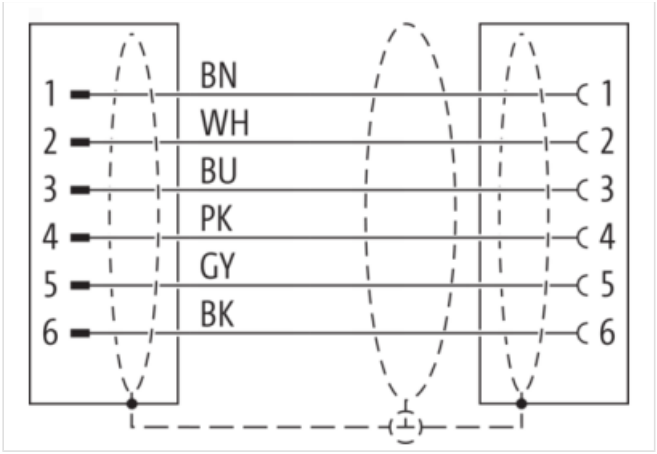

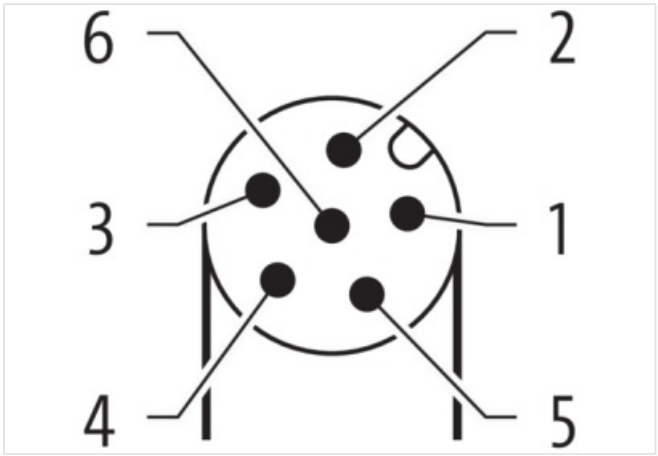

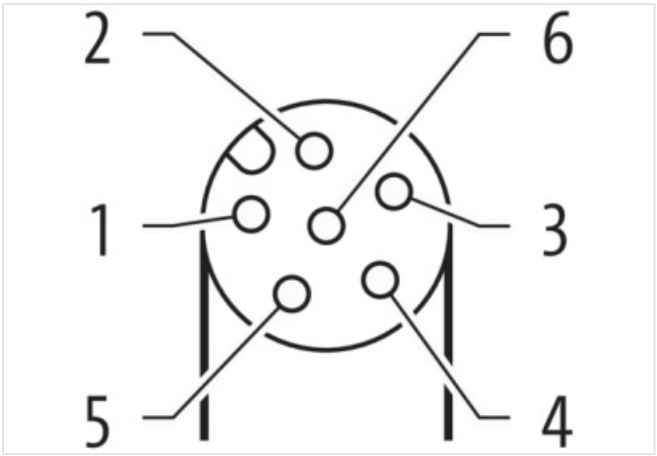

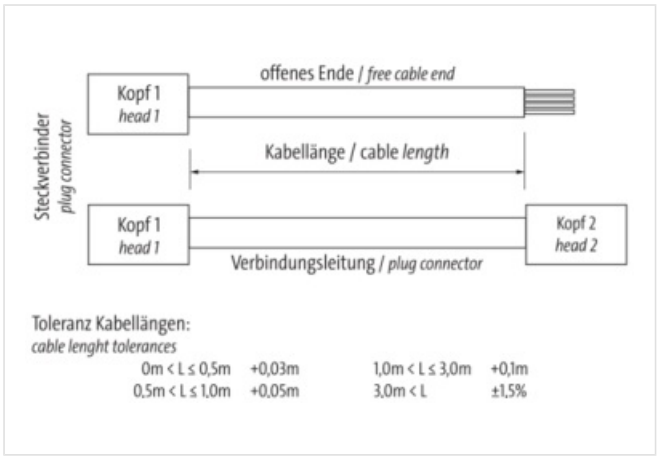

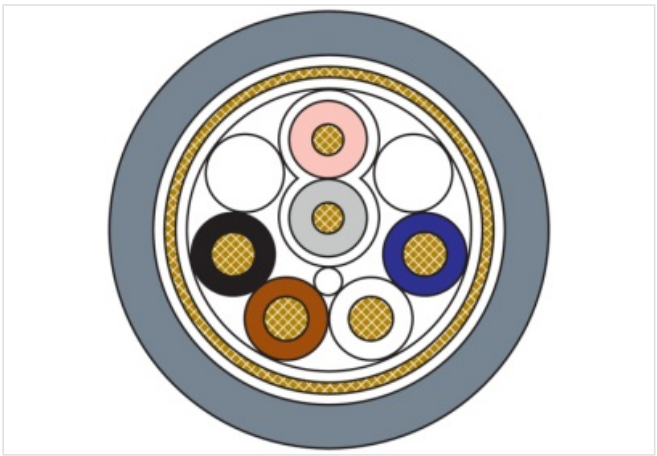

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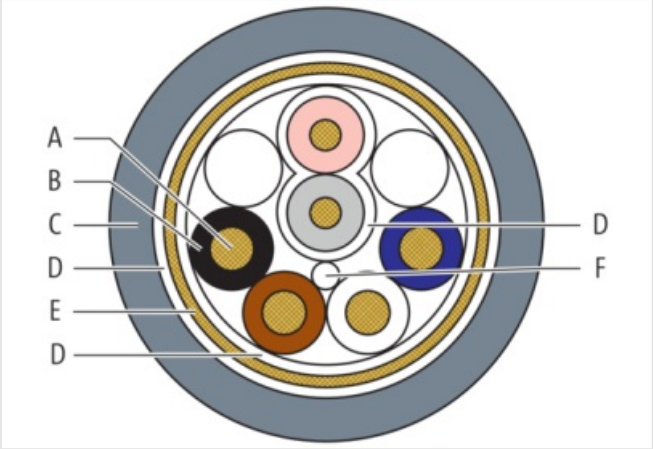

Product may differ from Image

Header	
Material short text	MSDL0-C-6p2_522_3.0-ZE-S14
Cable length	3,00 m
Side 1	
Family construction form	M12
No. of poles	6
Coding	A
Gender	male
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	M12
No. of poles	6
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
Commercial data	
URL Webshop	https://shop.murrelektronik.com/7014-46061-5220300
GTIN	4048879711227

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ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-7.1	27060307
ECLASS-8.0	27060307
ECLASS-8.1	27060307
ECLASS-9.0	27060307
ECLASS-9.1	27060307
ECLASS-10.0.1	27060307
ECLASS-10.1	27060307
ECLASS-11.0	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ECLASS-13.0	27060307
ECLASS-14.0	27060307
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879711227
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)	IP67, IP69K, IP68, IP66K, IP65
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	
Locking material	Stainless steel 1.4404 (V4A)
Material gasket	FKM
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)

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Installation | Cable	
Cable identification	522
Function cable	Hybrid, Signal, Data
Amount stranding	1
Stranding	Wires
Amount stranding (type 2)	1
Stranding (type 2)	Wires
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece
Filler	Yes
Wire arrangement	blue, white, brown, black, (gray, pink)
Cable weigth	95 g/m
Material wire insulation	TPE-E
Amount wires	4
Outer diameter insulation	1,5 mm
Outer diameter tolerance core insulation	± 0,1 mm
Ingredient freeness wire insulation	lead-free, CFC-free
Conductor crosssection (wire)	0,5 mm²
Material conductor wire	Stranded copper wire, bare
Material wire insulation (type 2)	TPE-E
Outer diameter wire insulation (type 2)	1,4 mm
Tolerance outer diameter wire insulation (type 2)	± 0,1 mm
Ingredient freeness wire insulation (type 2)	lead-free, CFC-free
Amount wires (type 2)	2
Conductor crosssection wire (type 2)	0,25 mm²
Material conductor wire (type 2)	Stranded copper wire, bare
Outer-diameter (jacket)	7,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free
Conductor resistance (wire)	75 Ω/km @ 20 °C
Conductor resistance (wire type 2)	34 Ω/km @ 20 °C
Electric inductivity line constant	0,65 pF/km
Isolation resistance	200 MΩ × km
Nominal voltage max.	500 V
Withstand voltage (wire - wire)	1.5 kV @ 60 s
Withstand voltage (wire - jacket)	1.5 kV @ 60 s
Withstand voltage (wire - shield)	1.2 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity max. (wire)	4,5 A
Current load capacity max. Wire (type 2)	7,2 A
Operating temperature min. (static)	-20 °C
Operating temperature max. (static)	70 °C
Operating temperature min. (dynamic)	-10 °C
Operating temperature max. (dynamic)	65 °C
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
Traversing distance (C-track)	5 m
Travel speed (C-track)	2 m/s
Acceleration (C-track)	2 m/s²