

M12 male 0° / M12 female 0° Cube67 F&B Pro

TPE-S 0.5+0.25 shielded bu UL robot+drag ch. 1.0m

Plug Connectors for Food & Beverage
The resistance to aggressive media should be individually tested for your application. Further details on request.
Further cable lengths on request.
Male straight – female straight
M12 F&B Pro
6-pole
Stainless steel 1.4404 (V4A)
without cable sleeves
IP69K
Cube67
Plastic housings with good resistance against chemicals and oils.

[Link to Product](#)



Product may differ from Image

Approvals



More Info

Cube67

Form

Form 46041

General data

Standards	DIN EN 61076-2-101 (M12), FDA conform
Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	EPDM
Material (contact carrier)	PP, ice blue
Pollution Degree	3
Temperature range	-40...+105 °C, depending on cable quality

Cables

Cable identification	523
Approval (cable)	UL (AWM-Style 22126/11558), CE conform
Cable weight [g/m]	82,5
Material (wire)	Cu wire, bare
Resistor (core)	max. 39 Ω/km (0.5 mm²), max. 78 Ω/km (0.25 mm²); (20 °C)

Single wire Ø (core)	0.15 mm (0.5 mm ²); 0.1 mm (0.25 mm ²)
Construction (core)	28× 0.15 mm (0.5 mm ²); 32× 0.1 mm (0.25 mm ²); (multi-strand wire class 6)
Diameter (core)	4× 0.5 + 2× 0.25 mm ²
AWG	similar to AWG 20 (0.5 mm ²); similar to AWG 24 (0.25 mm ²)
Material (wire isolation)	PP
Wire-Ø incl. isolation	1.5 mm ±5% (0.5 mm ²); 1.4 mm ±5% (0.25 mm ²)
Color/numbering of wires	(bl, wh, br, bk) + (gr, pk)
Shield	yes
	min. 80%
Material (jacket)	TPE-S
Outer-Ø (jacket)	7.9 mm ±5%
Color (jacket)	pastel blue
Nominal voltage	300 V AC
Test voltage	3000 V
Temperature range (fixed)	-40...+105 °C
Temperature range (mobile)	-25...+105 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 4 Mio. (25 °C)
Traversing distance (C-track)	max. 10 m
Travel speed (C-track)	max. 3 m/s
Acceleration (C-track)	max. 10 m/s ²
Torsion stress	±180°/m
No. of torsion cycles	max. 2 Mio. (25 °C)
Jacket Color	gray

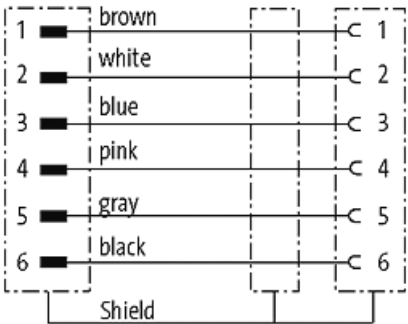
Technical Data

Operating voltage	max. 30 V AC/DC
Rated surge voltage	0.8 kV
Operating current per contact	max. 4 A
No. of poles	6
Material group	IEC 60664-1, category I
Coding	A-coded
LED display	no
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Compression gland	M12 (SW14)
Protection	IP65, IP68, IP69K inserted and tightened (EN 60529)
Material	PP
Locking material	Stainless steel 1.4404 (V4A)
suitable for corrugated tube (internal Ø)	without

Commercial data

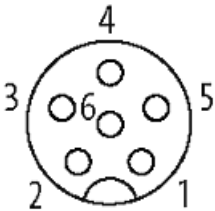
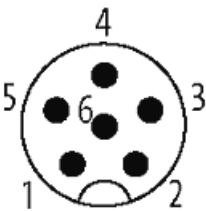
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customs tariff number	85444290
EAN	4048879791892
eClass	27061801
Packaging unit	1

Sketch



Male

Female



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