

**M12 male 0° / M12 female 0° A-cod. shielded**

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 16m

Cube67

Male straight – female straight

M12 – M12, 6-pole

shielded

A-coded

Hybrid cable

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**

Male



Female





Product may differ from Image



\* only for products with UL/CSA approved cable

**Form**

Form 46041

**Technical Data**

Operating voltage	max. 30 V AC/DC
Operating voltage (only UL listed)	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 (SW13)
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated

**General data**

Mounting method	inserted, tightened
Material (contact)	Copper alloy
Material (contact surface)	Au
Material (gasket)	FKM
Pollution Degree	3
Temperature range	-25...+85 °C, depending on cable quality

**Cables**

No./diameter of wires	4× 0.5 + 2× 0.25 mm <sup>2</sup>
Wire isolation	TPE (bl, wh, br, bk), (gr, pk)
C-track properties	5 Mio.
Outer Ø	7.9 mm ±5%
Cable identification	802
Approval (cable)	cRUus (AWM style 20549/10042); CE compliant
Cable weight [g/m]	95,7 g
Material (wire)	Cu wire, bare
Single wire Ø (core)	0.15 mm (0.5 mm <sup>2</sup> ); 0.1 mm (0.25 mm <sup>2</sup> )
Construction (core)	28× 0.15 mm (0.5 mm <sup>2</sup> ); 32× 0.1 mm (0.25 mm <sup>2</sup> ); (multi-strand wire class 6)
Diameter (core)	4× 0.5 + 2× 0.25 mm <sup>2</sup>
AWG	similar to AWG 20 (0.5 mm <sup>2</sup> ); similar to AWG 24 (0.25 mm <sup>2</sup> )

Material (wire isolation)	TPE-E
Shore hardness (wire isolation)	55 ±5 D
Wire-Ø incl. isolation	1.5 mm ±5% (0.5 mm <sup>2</sup> ); 1.4 mm ±5% (0.25 mm <sup>2</sup> )
Color/numbering of wires	(bl, wh, br, bk) + (gr, pk)
Shield	yes
optical shield cover	min. 80%
Material (jacket)	PUR
Material property (jacket)	CFC-, halogen-, cadmium-, silicone-free, matt, low-adhesion, machine easy to process, abrasion-resistant
Shore hardness (jacket)	89 ±5 A
Outer-Ø (jacket)	7.9 mm ±5%
Color (jacket)	green
Jacket Color	green
Nominal voltage	300 V AC
Test voltage	1500 V (wire/wire); 1200 V (wire/shield)
Temperature range (fixed)	-50...+80 °C
Temperature range (fixed)	-50...+80 °C
Temperature range (mobile)	-40...+80 °C
Temperature range (mobile)	-40...+80 °C
Bend radius (fixed)	5× outer Ø
Bend radius (moving)	10× outer Ø
Bend radius (moving)	10× outer Ø
No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Travel speed (C-track)	max. 2 m/s
Torsion stress	±180°/m
Material (jacket)	PUR (UL/CSA)

#### Commercial data

country of origin	HU
customs tariff number	85444290
EAN	4048879140270
eClass	27061801
Packaging unit	1.000