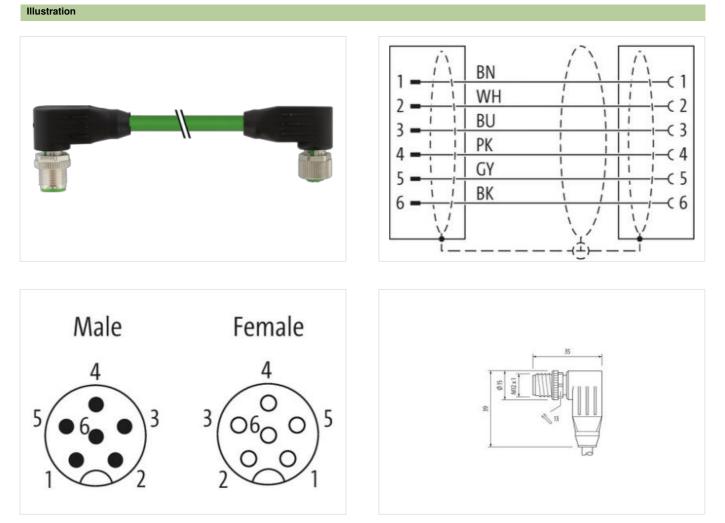


## M12 male 90° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 4.5m

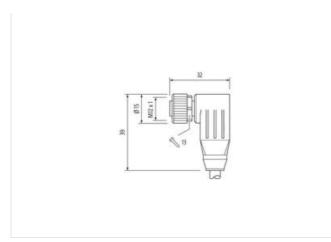
Cube67 Male 90° – female 90° M12 – M12, 6-pole A-coded shielded Hybrid cable Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05





Product may differ from Image



Side 1       Tightening torque     0.6 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding contact     Coopper alloy       No. of poles     6       Width across flats     SW13       Side 2	Cable length	4,5 m
Mounting methodinserted, screwedCoating contactgold platedFamily construction formM12ThreadM12 x 1CodingAMaterial contactCopper alloyNo. of poles6With across flatsSW13Side 2	Side 1	
Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       With across flats     SW13       Side 2	Tightening torque	0,6 Nm
Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Width across flats     SW13       Side 2	Mounting method	inserted, screwed
ThreadM12 x 1CodingAMaterial contactCopper alloyNo. of poles6Width across flatsSW13Side 2Image: Source of the second secon	Coating contact	gold plated
CodingAMaterial contactCopper alloyNo. of poles6Width across flatsSW13Side 2	Family construction form	M12
Material contact     Copper alloy       No. of poles     6       Width across flats     SW13       Side 2        Tightening torque     0,6 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     ECLASS-6.0       ECLASS-6.0     27061801       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0	Thread	M12 x 1
No. of poles     6       Width across flats     SW13       Side 2	Coding	A
Width across flats     SW13       Side 2     Tightening torque     0,6 Nm       Mounting method     inserted, screwed     Coating contact     gold plated       Family construction form     M12     Thread     M12 x 1       Coding     A     Material contact     Copper alloy       No. of poles     6     Commercial data     Colo307       ECLASS-6.0     27061801     ECLASS-7.0     27060307       ECLASS-7.0     27060307     ECLASS-8.0     27060307       ECLASS-8.0     27060307     ECLASS-8.0     ECLASS-7.0       ECLASS-8.0     27060307     ECLASS-8.0     ECLASS-7.0       ECLASS-7.0     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-7.0     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-8.0     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-8.0     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-8.0     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-8.1.1     27060307     ECLASS-8.0     ECLASS-8.0       ECLASS-8.1.2	Material contact	Copper alloy
Side 2       Tighening torque     0,6 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     Z7061801       ECLASS-6.0     27061801       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-15.0     ECO011855       customs tariff number     85444290<	No. of poles	6
Tightening torque     0,6 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     27061801       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-8.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0	Width across flats	SW13
Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     27061801       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307	Side 2	
Coating contact     gold plated       Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     Z7061801       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.3     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307	Tightening torque	0,6 Nm
Family construction form     M12       Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     27061801       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307	Mounting method	inserted, screwed
Thread     M12 x 1       Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     27061801       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-1.2.0     27060307       ETIM-5.0     EC01855       customs tariff number     85444290	Coating contact	gold plated
Coding     A       Material contact     Copper alloy       No. of poles     6       Commercial data     E       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-1.1     27060307       ECLASS-1.2     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1     27060307       ECLASS-1.1.1     27060307       ECLASS-1.2.0     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290	Family construction form	M12
Material contact     Copper alloy       No. of poles     6       Commercial data     E       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECUASS-12.0     27	Thread	M12 x 1
No. of poles     6       Commercial data     27061801       ECLASS-6.0     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ECUASS-12.0     27060307       ECUASS-12.0     27060307	Coding	A
Commercial data       ECLASS-6.0     27061801       ECLASS-6.1     27060307       ECLASS-7.0     27060307       ECLASS-8.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-9.0     27060307       ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290	Material contact	Copper alloy
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	No. of poles	6
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	Commercial data	
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	ECLASS-6.0	27061801
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	ECLASS-6.1	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	ECLASS-7.0	27060307
ECLASS-10.1     27060307       ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290	ECLASS-8.0	27060307
ECLASS-11.1     27060307       ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290	ECLASS-9.0	27060307
ECLASS-12.0     27060307       ETIM-5.0     EC001855       customs tariff number     85444290	ECLASS-10.1	27060307
ETIM-5.0 EC001855   customs tariff number 85444290	ECLASS-11.1	27060307
customs tariff number 85444290	ECLASS-12.0	27060307
	ETIM-5.0	EC001855
GTIN 4048879140096	customs tariff number	85444290
	GTIN	4048879140096

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05



Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	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
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	
Coating locking	Nickeled
Material gasket	FKM
Locking material	Zinc die-casting
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 strain relief	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Installation   Cable	
STOOW style jacket	Hybrid, Signal, Data
Cable identification	802
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1 A wires with Stranding combination with 2 Filler twisted
Stranding (type 2) Cable shielding (type)	4 wires with Stranding combination with 3 Filler twisted copper braid, tinned
	80 %
Cable shielding (coverage)	
Banding	Fleece
Filler	
wire arrangement	(gray, pink), blue, white, brown, black
Traversing distance (C-track)	10 m @ 25 °C
Cable weigth	77 g/m PUR
Material jacket Freedom from ingredients (jacket)	POR lead-free, CFC-free, halogen-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	±5%

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05



Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	64
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Material wire insulation (Data)	PP
Outer diameter wire insulation (Data)	1,1 mm
Tolerance outer diameter wire insulation (data)	±5%
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	2
Amount strands wire (Data)	32
Diameter of single wires (Data)	0,1 mm
Conductor crosssection wire (Data)	0,25 mm <sup>2</sup>
Material conductor wire (Data)	Stranded copper wire, bare
Wire conductor type (Data)	strand class 6
Loop resistance	2000 MΩ × km
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6,3 A
Current load capacity min. Wire (Data)	3,2 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
Electrical resistance coating wire (Data)	79 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Electric inductivity line constant	0,65 mH/km
Electrical capacity line constant (wire - wire)	63000 pF/km
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,2 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	90 °C
Operating temperature min. (dynamic)	-30 °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
Travel speed (C-track)	5 Mio. @ 25 °C
Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-05