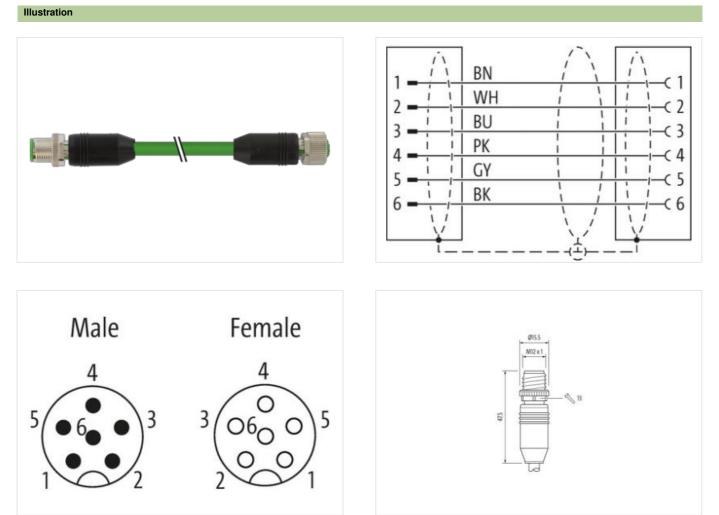


M12 male 0° / M12 female 0° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 7m

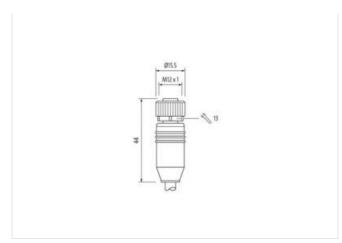
Cube67 Male straight – female straight M12 – M12, 6-pole shielded A-coded Hybrid cable Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product



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: 2024-05-08





Product may differ from Image



Cable length	7 m
Side 1	
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
Material	PUR
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
Material	PUR
No. of poles	6
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

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Packaging unit 1 Electrical data [Suppi) Image: Comparity substage AG max. 30 V Operating voltage AG max. 30 V Operating voltage AG max. 30 V Operating voltage AG full. islest) 30 V Operating voltage AG full. islest) 30 V Operating voltage AG full. islest) 30 V Operating voltage AG full. islest) 30 V Descore for constage of the state of	customs tariff number	85444290
Electrical data Supply Use of the second of	GTIN	4048879140379
Operating voltage AC max. S0 V Operating voltage AC max. S0 V Operating voltage AC (UL-listed) S0 V Operating voltage AC (UL-listed) S0 V Current operating voltage AC (UL-listed) S0 V Disposition V Disposition V Disposition (Electrical) no Disposition (Electrical) PSS P67 Addisonal condition protection disgree inserted, screwed Patter surge voltage 0.8 kV Material group (Ele 5064-1) 1 Machanization (Electrical) Nokeled Material group (Ele 5064-1) 1 Machanization (Electrical) Incerted, screwed, Staking protection Material group (Ele 5064-1) 1 Machanization (Electrical) Incerted, screwed, Staking protection Material group (Electrin)	Packaging unit	1
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Operating voltage DC max 90 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Depring voltage AC (UL-listed) 30 V Depring voltage AC (UL-listed) 30 V Depring voltage AC (UL-listed) 30 V Device protection [Electrical Personal (UL-listed) Device protection [Electrical inserted, sorewol Pollution Device molecular 3 Rated surge voltage AC (UL-listed) 1 Material group (UE 09684-1)	Operating voltage AC max.	30 V
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Concrrict operating port contract max. 4 A Disposite no Device protection [Electrical no Device protection [Electrical no Device protection [Electrical no Device protection [Electrical no Device protection (EN IEC 60629) 1965, 1967 Additional condition protection degree naeroted, screwed Polizion Degree 3 Rated super voltage 0.8 kV Methanical data [Material data Micketed Cassing locking Nicketed Methanical data [Material data Zinc die-cassing Methanical data [Mounting data Mounting method Evoromettal characteristics [Climatic Conversion providement main. Operating tomporature max. 28 °C Additional condition temperature range depending on cable quality Important installation notes Note on bending radii wen laying cables, as the IP protection class can be endangared by socessive bending fraci when laying cables, as the IP protection class can be endangared by socessive bending fraci when laying cables, as the IP		
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Disposition In Status infocation LED no Device protection [Electrica] Position Device protection (ENIEC 6659) IP65, IP67 Additional condition protection degree inserted, screwed Pollution Degree 3 Additional protection (Elect 6658) 3 Restar argo voltage 0.8 kV Material group (IEC 6658-1) 1 International Condition Protection (Elect 6658-1) International Condition (Elect 6658-1) Additional data [Material data Macked Gassian International Condition (Elect 6658-1) Material group (IEC 6658-1) Internation (Elect 6658-1) International Condition (Elect 6658-1) Material grassian FXM International Condition (Elect 6658-1) Material grassian International Condition (Elect 6658-1) International Condition (Elect 6658-1) Operating temperature max Elect 6658-10 International Condition (Elect 6658-1) Operating temperature max Elect 6658-10 Internation (Elect 6658-1) District Internation (Elect 6658-1) Protect the connectors by suitable measures from mechanical loads. e.g. by the usage of cable files. Nate on strain relief Verion Signal. Data Cable elect 6658-10 E	Operating voltage DC (UL-listed)	30 V
Status no Device of protection Electrical IPES, IPE7 Addinard condition protection of degree IPES, IPE7 Addinard condition protection of degree 3 Patted surge voltage 0.8 kV Material group (IEC 60664+1) I Material group (IEC 60664+1) I Material group (IEC 60664+1) I Material gaske FKM Locking material Since des-cassing Material gaske FKM Locking material Since des-cassing Material gaske FKM Contrig Locking material Since des-cassing Material gaske FKM Contrig Locking material Since des-cassing Material gaske FKM Contrig Locking material Since des-cassing Material parker training Since des-cassing Mounting method Since des-cassing Environmetal characteristics Climatic Since des-cassing Deparating temperature max. Since 'C Additional condition temperature reax. Since 'C Note on bording radiu	Current operating per contact max.	4 A
Device protection Electrical IPES, IPE7 Additional condition protection degree inserted, screwed Polliton Degree 3 Rated surge voltage 0,8 kV Material group (IEC 60664.1) 1 Mechanical datal Material group (IEC 60664.1) Material group (IEC 60664.1) 1 Mechanical datal Material gasket Material gasket FKM Locking material Zinc die casing Mechanical data Mounting data inserted, screwed, Straking protection Environmental characteristics Climatic SC Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important Installation notes Material screwed, Straking protection Net on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Nate on strain reliof Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Strading (type) green Strading (type) Typeo f Cerinforato green	Diagnostics	
Degree of protection (EN IEC 60529) IP65, IP67 Additional condition protection degree Inserted, screwed Patted surge voltage 0,8 kV Bated surge voltage 0,8 kV Material group (IEC 60564-1) I Mechanical data Material data Conting locking Conting locking Nickoled Mechanical data Material data Zino die-casting Operating temperature min. -25 °C Operating temperature man. -25 °C Operating regree Temperature man. -25 °C Operating regree Temperature man. -25 °C Operating regree Temperature man. -26 °C	Status indication LED	no
Additional condition protection degree inserted, screwed Pollution Degree 3 Read surge voltage 0.8 kV Material group (EC 60664-1) 1 Mechanical data Material data Excession Coating locking Nickeled Material gasket FKM Locking material Zinc die-casting Mechanical data Mouning data Isserted, screwed, Shaking protection Environmental characteristics Olimatic Edepending on cable quality Operating temperature max. 85 °C Additional condition negree edpending on cable quality Important Installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Installation (Cable Exercemental characteristics Olimatic Strading (red by disclest Hybrid, Signal. Data Cable isterification 802 Jacket Color green Type of Certificate cURus Amount stranding (type 2) 1 Stranding (type 2) 4 wires with Stranding combination with 3 Filler twisted	Device protection Electrical	
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Pailution Degree 3 Rated surge votage 0.8 kV Rated surge votage 0.8 kV Material group (ES 06064-1) 1 Mechanical data Material data Coating (ES 06064-1) Coating locking Nickeled Material gasket FKM Locking material Zino die-casting Mechanical data Mounting data Ino die-casting Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Operating temperature min. -25 ° C Operating temperature max. Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Installation Cable Stration: Observe the permissible bending radi when laying cables, as the IP protection class can be endangered by excessive bending forces. Stratification 802 Lockic Color green Type of Cartificate cURus Amount stranding 1 Stranding (type 2) 4 wires with Stranding combination with 3 Filler twisted Cable shelding (type) coper trad, tinmed Cable shelding (type) <	Additional condition protection degree	inserted, screwed
Raterial group (IEC 60664-1) I Material group (IEC 60664-1) I Mechanical data Material data Cashing locking Nickeled Cashing locking Nickeled FKM Locking material Zin die casting Mechanical data Mounting data Mechanical data Mounting data Inserted, screwed, Shaking protection 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 network 85 °C Additional condition temperature range depending on cable quality Installation temperature range depending on cable quality Attention: Cheser whe permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Installation [Cable Hybrid, Signal, Data Cable identification Gold Color green Cable identification Gold Cable identification Mount stranding 1 Stranding Stranding Stranding Yipe of Certificate cuFlas with Stranding combination with 3 Filler twis		
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Cotaing locking Nickeled Material gasket FKM Locking material Zinc die-casting Mechanical data Mounting data inserted, screwed, Shaking protection Environmental characteristics Climatic inserted, screwed, Shaking protection Environmental characteristics Climatic Since (Since (Si	Material group (IEC 60664-1)	1
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Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Installation Cable Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be 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 1 Stranding (type 2) 1 Stranding (type 2) 4 wires with Stranding combination with 3 Filler twisted Cable shielding (type) Cable shielding (type) coper braid, tinned Cable shielding (coverage) 80 % Banding Fileece Filler yes Traverage ment (gray, pink), blue, white, brown, black Traversing distance (C-track) 10 m @ 25 °C Cable weigth 77 g/m Material jacket PUR	Environmental characteristics Climatic	
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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. Installation Cable Stoow style jacket StoOW style jacket Hybrid, Signal, Data Cable identification 802 Jacket Color green Type of Certificate cURus Amount stranding 1 Stranding (type 2) 1 Stranding (type 2) 4 wires with Stranding combination with 3 Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece Filler yes wire arrangement (gray, pink), blue, white, brown, black Traversing distance (C-track) 10 m @ 25 °C Cable weight 77 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6.6 mm	Operating temperature max.	85 °C
Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation CableSTOOW style jacketHybrid, Signal, DataCable identification802Jacket ColorgreenType of CertificatecUBusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 wires with Stranding combination with 3 Filler twistedCable shielding (coverage)80 %BandingFileeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)0 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Additional condition temperature range	depending on cable quality
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Note on behaling radiusendangered by excessive bending forces.Installation CableSTOOW style jacketHybrid, Signal, DataCable identification802Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 wires with Stranding combination with 3 Filler twistedCable shielding (type 2)60 %BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
STOOW style jacketHybrid, Signal, DataCable identification802Jacket ColorgreenType of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 wires with Stranding combination with 3 Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	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.
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Type of CertificatecURusAmount stranding1Stranding2 wires twistedAmount stranding (type 2)1Stranding (type 2)4 wires with Stranding combination with 3 Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Cable identification	802
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Amount stranding (type 2)1Stranding (type 2)4 wires with Stranding combination with 3 Filler twistedCable shielding (type)copper braid, tinnedCable shielding (coverage)80 %BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Amount stranding	1
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Cable shielding (coverage)80 %BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Stranding (type 2)	4 wires with Stranding combination with 3 Filler twisted
BandingFleeceFilleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Cable shielding (type)	copper braid, tinned
Filleryeswire arrangement(gray, pink), blue, white, brown, blackTraversing distance (C-track)10 m @ 25 °CCable weigth77 g/mMaterial jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Cable shielding (coverage)	80 %
wire arrangement (gray, pink), blue, white, brown, black Traversing distance (C-track) 10 m @ 25 °C Cable weigth 77 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,6 mm	Banding	Fleece
Traversing distance (C-track) 10 m @ 25 °C Cable weigth 77 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,6 mm	Filler	yes
Cable weigth 77 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,6 mm	wire arrangement	(gray, pink), blue, white, brown, black
Material jacketPURFreedom from ingredients (jacket)lead-free, CFC-free, halogen-freeOuter-diameter (jacket)6,6 mm	Traversing distance (C-track)	10 m @ 25 °C
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free Outer-diameter (jacket) 6,6 mm	Cable weigth	
Outer-diameter (jacket) 6,6 mm	Material jacket	PUR
	Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Tolerance outer diameter (sheath) ± 5 %	Outer-diameter (jacket)	
	Tolerance outer diameter (sheath)	±5%

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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 ²
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 ²
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)	9° 00
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

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