

### M12 male 90° D-cod. / RJ45 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5** 

The resistance to aggressive media should be individually tested for your application. Further details on request.

Male 90° – male straight

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

Transmission properties with channel transmission up to 100 m

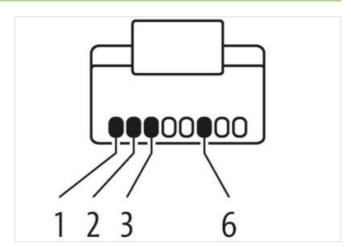
Further cable lengths on request.

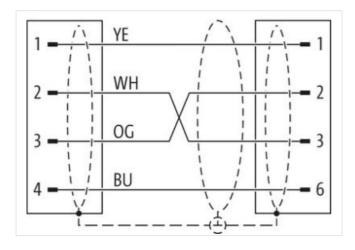
Plastic housings with good resistance against chemicals and oils.

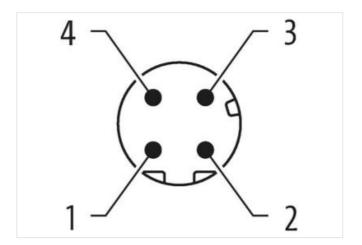
## **Link to Product**

### Illustration



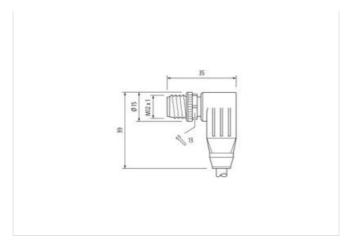


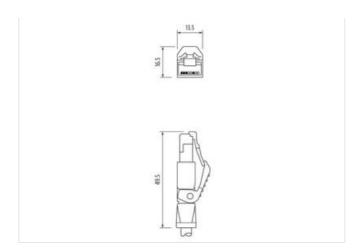






# stay connected





Product may differ from Image















Cable length	3 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	RJ45
Material	PUR
Degree of protection (EN IEC 60529)	IP20
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	EC002599
customs tariff number	85444290
GTIN	4048879489843
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	



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endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement white, yellow, blue, orange  Cable identification 796  Jacket Color green  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Banding Fleece, Foil  Filler yes  wire arrangement white, yellow, blue, orange  Cable weigth 69,3 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	nsfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
duplex Full duplex  Peritation Degree 3 Rated surge voltage 1 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material date Coaling looking Nickeled Coaling looking Material Mounting data Mounting method Inserted, screwed, Shaking protection  Environmental characteristics   Climatic Coperaling 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. Attention: Observe the pormissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Installation   Cable  wire arrangement white, yellow, blue, orange Cable identification 798 Jacket Cofor green Type of Carrificate cUPus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Bandring Fleece, Foll Filler yes wire arrangement white, yellow, blue, orange Cable weight 89,3 g/m Material jacket Fieldom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, ellicone-free	a transmission rate max.	100 MBit/s
duplex Full duplex  Pevice protection   Electrical  Pollution Degree 3 Rated surge voltage 1 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coaling locking Nickeled  Locking material   Zinc die-casting    Mechanical data   Mounting data    Muniting method   Inserted, screwed, Shaking protection  Environmental characteristics   Climatio  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.  Attention: Observe the permissible bonding radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Furduct standard DIN EN 61076-2-101 (M12)  Installation   Cable wire arrangement white, yellow, blue, orange  Cable identification 796  Lake Cofor green  Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted  Cable shielding (type) copper braid, tinned  Cable shielding (coverage) 85 %  Bandring Fiece, Foll  Filler yes  Wire arrangement white, yellow, blue, orange  Cable weight 69.3 g/m  Material jacket  Challer in yellow, blue, orange  Cable weight 89.3 g/m  Material jacket  Freedom from ingredients (jacket) lead-free, cedmium-free, CFC-free, halogen-free, silicone-free	lustrial communication   Ethernet funct	ionality
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Material group (IEC 60664-1)  Mechanical data Contour for corrupted hose without  Mechanical data   Material data Coating locking Nickeled Locking material Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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 bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity  Froduct standard DIN EN 61076-2-101 (M12)  Installation   Cable  wire arrangement white, yellow, blue, orange Cable identification 796 Jacket Color green Type of Certificate cJURus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement white, yellow, blue, orange Cable weigth 69.3 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
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Banding Fleece, Foil  Filler yes wire arrangement white, yellow, blue, orange  Cable weigth 69,3 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	le shielding (type)	copper braid, tinned
Filler yes wire arrangement white, yellow, blue, orange  Cable weigth 69,3 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	le shielding (coverage)	85 %
wire arrangement white, yellow, blue, orange  Cable weigth 69,3 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	ding	Fleece, Foil
Cable weigth 69,3 g/m  Material jacket PUR  Shore hardness jacket 89 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	r	· ·
Material jacket PUR Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
Shore hardness jacket 89 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	<u> </u>	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		
	<u> </u>	
Quier-glameter (lacket) 6 / mm		·
		6,7 mm
Tolerance outer diameter (sheath) ± 5 %  Meterial inner insket	· , ,	
Material inner jacket FRNC		
Color (inner jacket) natur  Material wire insulation PE		
Amount wires 4		
Outer diameter insulation 1,4 mm		
Outer diameter insulation 1,4 min  Outer diameter tolerance core insulation ± 5 %		
Shore hardness wire insulation 65 Shore D		
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free		



# stay connected

Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Isolation resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
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)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m