

## M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 7.5m

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

Cable is approved for 600 V

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

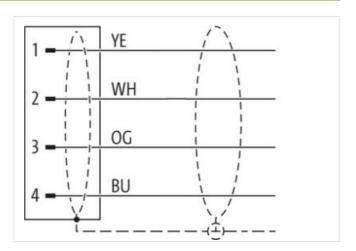
Plastic housings with good resistance against chemicals and oils.

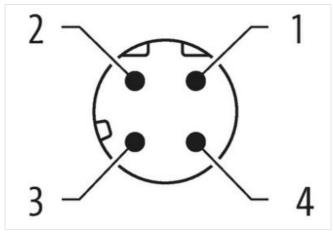
The resistance to aggressive media should be individually tested for your application. Further details on request.

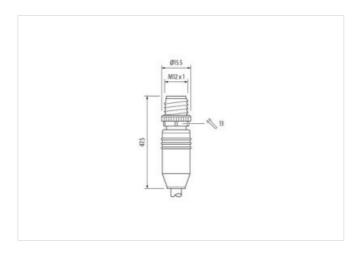
## **Link to Product**

## Illustration









Product may differ from Image













Cable length	7,5 m
Side 1	
Tightening torque	0.6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879630566
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s
Industrial communication   Ethernet function	
duplex	Full duplex
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C



stay connected

Important installation notes	be
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 bending radii when laying cables, as the IP protection class can endangered by excessive bending forces.  DIN EN 61076-2-101 (M12)  Installation   Cable  Cable identification 659  Jacket Color green Type of Certificate cURus  Amount stranding 1  Stranding 4 wires around Core filler twisted  Cable shielding (coverage) 85 %  Banding Fleece, Foil  Write arrangement white, yellow, blue, orange  Cable weight 89,1 g/m  Material jacket PUR  Shore hardness jacket 90 ± Shore A  Freedom from ingredients (jacket) 17,4 mm  Tolerance outer diameter (sheath) ± 5 %  Material inner jacket TPE-V  Color (inner jacket) white  Material wire insulation PE  Attendance core insulation 1,4 mm  Duter diameter insulation ± 5 %  Duter diameter insulation 1,4 mm  Duter diameter insulation ± 5 %	be
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Snore nargness wire insulation 65 Snore D	
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free	
Amount strands (wire) 7	
Diameter of single wires 22 AWG	
Conductor crosssection (wire) 22 AWG	
Material conductor wire Stranded copper wire, bare	
Traversing distance (C-track) 5 m	
Nominal voltage AC max. 60 V	
Current load capacity (standard) to DIN VDE 0298-4	
Current load capacity min. wire 4,8 A	
Characteristic impedance 100 Ω ± 15 %	
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 - 2 kV @ 60 s acket)	
AC withstand voltage (wire - shield) 2 kV @ 60 s	
Loop resistance $5000 \text{ M}\Omega \times \text{km}$	
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	UL 1581 § 1100 FT2   IEC 60332-2-2   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)	12 x Outer diameter
Travel speed (C-track)	2 Mio.