

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.2m

Product fulfills requirements according to UN/ECE R118

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

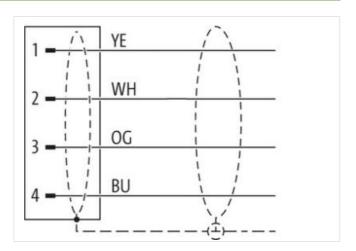
Plastic housings with good resistance against chemicals and oils.

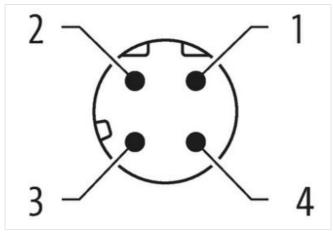
The resistance to aggressive media should be individually tested for your application. Further details on request.

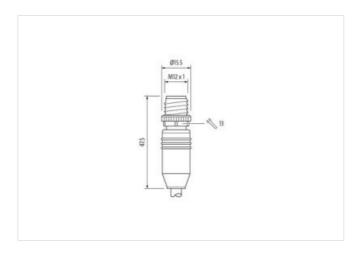
## **Link to Product**

## Illustration









Product may differ from Image













stay connected

Cable length	1,2 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	4065909006344
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 functionality	
duplex	Full duplex
Installation   Connection	·
Mounting set	M12 x 1
-	NII Z X I
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	l
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	



stay connected

85 °C
depending on cable quality
Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
DIN EN 61076-2-101 (M12)
796
green
cURus
1
4 wires around Core filler twisted
copper braid, tinned
85 %
Fleece, Foil
yes
white, yellow, blue, orange
5 m @ 25 °C
3 Mio. @ 25 °C
69,3 g/m
3,3 m/s @ 25 °C
PUR
89 Shore A
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
6,7 mm
± 5 %
FRNC
natur
PE
4
1,4 mm
± 5 %
65 Shore D
lead-free, CFC-free, halogen-free
7
22 AWG
22 AWG
Stranded copper wire, bare
5000 MΩ × km
300 V
to DIN VDE 0298-4
4,8 A
100 Ω ± 15 % @ 100 MHz
55 Ω/km @ 20 °C
2 kV @ 60 s
50000 pF/km
2 kV @ 60 s
2 kV @ 60 s



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 torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m