

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

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 10m

**Ethernet CAT5** 

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

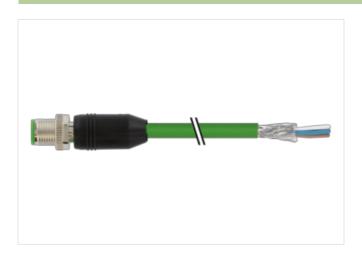
Further cable lengths on request.

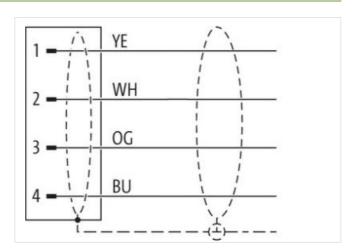
Plastic housings with good resistance against chemicals and oils.

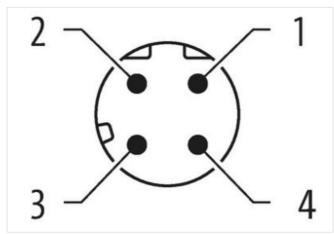
The resistance to aggressive media should be individually tested for your application. Further details on request.

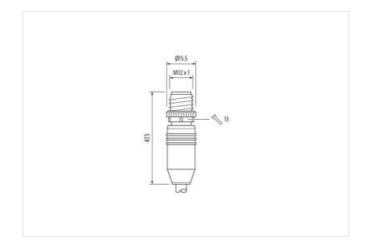
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

10 m



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ghtening torque punting method	0,6 Nm
and the contract of the contra	inserted, screwed
amily construction form	M12
nread	M12 x 1
oding	D
	PUR
	SW13
	IP65, IP66K, IP67
commercial data	
CLASS-6.0	27061801
CLASS-6.1	27060307
CLASS-7.0	27060307
CLASS-8.0	27060307
CLASS-9.0	27060307
	27060307
CLASS-11.1	27060307
CLASS-12.0	27060307
ΓΙM-5.0	EC002599
stoms tariff number	85444290
TIN	4048879701143
ackaging unit	1
lectrical data   Supply	
perating voltage DC max.	60 V
urrent operating per contact max.	1,5 A
ndustrial communication	
ansfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
ata transmission rate max.	100 MBit/s
ndustrial communication   Ethernet function	nality
plex	Full duplex
nstallation   Connection	
ounting set	M12 x 1
-	
Pevice protection   Electrical	
dditional condition protection degree	inserted, screwed
ollution Degree	3
ated surge voltage	1,5 kV
aterial group (IEC 60664-1)	<u> </u>
lechanical data	
ontour for corrugated hose	without
lechanical data   Material data	
pating locking	Nickeled
pating of fitting	nickel plated
cking material	Zinc die-casting
aterial screw connection	Zinc die-casting
lechanical data   Mounting data	
•	inserted, screwed, Shaking protection
ounting method	
ounting method	
invironmental characteristics   Climatic	.25 ∘Ր
invironmental characteristics   Climatic perating temperature min.	-25 °C 85 °C
invironmental characteristics   Climatic perating temperature min.	-25 °C 85 °C depending on cable quality

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



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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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		
Cable identification	800	
lacket Color	green	
ype of Certificate	cURus	
Amount stranding	1	
Stranding	4 wires around Filler star-shaped twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
Banding	Foil	
Filler	yes	
vire arrangement	yellow, blue, orange, white	
Fraversing distance (C-track)	5 m @ 25 °C	
Cable weigth	73,7 g/m	
Material jacket	PVC	
Shore hardness jacket	85 ± 5 Shore A	
reedom from ingredients (jacket)	lead-free, CFC-free	
Outer-diameter (jacket)	6,6 mm	
olerance outer diameter (sheath)	±5%	
Aaterial inner jacket	FRNC	
Color (inner jacket)	natur	
Material wire insulation	PE	
Amount wires	4	
Outer diameter insulation	1,53 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	55 ± 5 Shore D	
ngredient 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	
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 % @ 1 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 - acket)	2 kV @ 60 s	
AC withstand voltage (wire - shield)	2 kV @ 60 s	
/lin. operating temperature (static)	-30 °C	
Max. operating temperature (fixed)	80 °C	
Operating temperature min. (dynamic)	-10 °C	
Operating temperature max. (dynamic)	70 °C	
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	
chemical resistance	Good, application-related testing	
Gasoline resistance	Good, application-related testing	



Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C