

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

PVC 1x4xAWG22 shielded gn UL/CSA+drag ch. 6.5m

## **Ethernet CAT5**

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

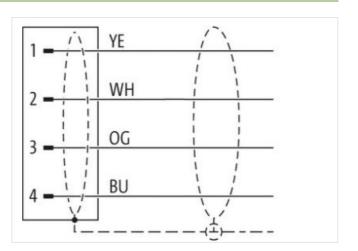
Plastic housings with good resistance against chemicals and oils.

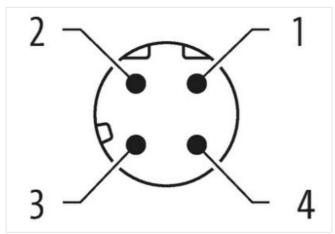
The resistance to aggressive media should be individually tested for your application. Further details on request.

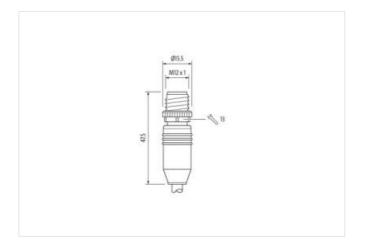
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

6,5 m



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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	EC001855
customs tariff number	85444290
GTIN	4048879825511
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 fu	
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)	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   Climati	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	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: 2024-05-19



stay connected

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	
acket Color		
Type of Certificate	cURus	
mount stranding	1	
Stranding	4 wires around Filler star-shaped twisted	
Cable shielding (type)	copper braid, tinned	
Cable shielding (coverage)	85 %	
	Foil	
Banding Filler	yes	
vire arrangement	yellow, blue, orange, white	
Cable weigth		
	73,7 g/m PVC	
Material jacket	85 ± 5 Shore A	
Shore hardness jacket		
reedom from ingredients (jacket)	lead-free, CFC-free	
Outer-diameter (jacket)	6,6 mm	
olerance outer diameter (sheath)	± 5 %	
Material inner jacket	FRNC	
Color (inner jacket)	natur	
Material wire insulation	PE .	
mount 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	
raversing distance (C-track)	5 m @ 25 °C	
Iominal voltage AC max.	300 V	
current load capacity (standard)	to DIN VDE 0298-4	
Current load capacity min. wire	4,8 A	
haracteristic impedance	100 Ω ± 15 % @ 1 MHz	
lectrical resistance line constant wire	55 Ω/km @ 20 °C	
C withstand voltage (wire - wire)	2 kV @ 60 s	
lectrical capacity line constant (wire - wire)	50000 pF/km	
ower frequency withstand voltage (wire - acket)	2 kV @ 60 s	
C withstand voltage (wire - shield)	2 kV @ 60 s	
lin. operating temperature (static)	-30 °C	
fax. 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	
hemical 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