

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

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

**Ethernet CAT5** Female straight M12, 4-pole D-coded shielded

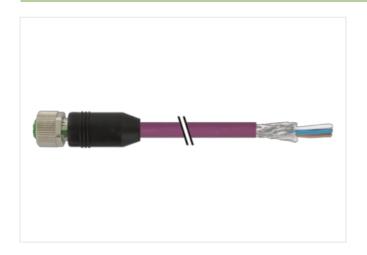
Further cable lengths on request.

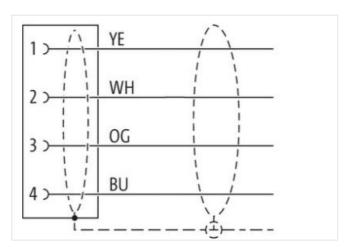
Plastic housings with good resistance against chemicals and oils.

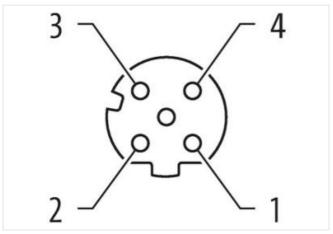
The resistance to aggressive media should be individually tested for your application. Further details on request.

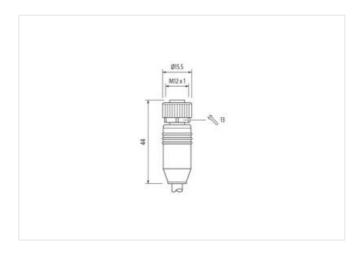
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 m

Side 1



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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	4048879328326	
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		
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication   Ethernet fur	nctionality	
duplex	Full duplex	
Installation   Connection	- Giracipiox	
	Wo .	
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)	l	
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	
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.	

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: 2024-05-13



stay connected

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces.

Note on bending radius	endangered by excessive bending forces.	
Conformity		
Product standard	DIN EN 61076-2-101 (M12)	
Installation   Cable		
Cable identification	798	
Jacket Color	violet	
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	
Traversing distance (C-track)	5 m @ 25 °C	
Cable weigth	68,64 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	
Outer-diameter (jacket)	6,7 mm	
Tolerance outer diameter (sheath)	±5%	
Material inner jacket	FRNC	
Color (inner jacket)	natur	
Material wire insulation	PE	
Amount wires	4	
Outer diameter insulation	1,4 mm	
Outer diameter tolerance core insulation	±5%	
Shore hardness wire insulation	65 Shore 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	
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	
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	



Travel speed (C-track)	3 Mio.	
No. of torsion cycles	1 Mio.	
Torsion stress	± 180 °/m	