

M12 male 0° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 3.5m

Ethernet CAT5

Transmission properties with channel transmission up to 100 m

Male straight

M12, 4-pole

D-coded

shielded

Further cable lengths on request.

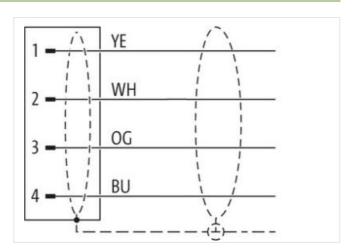
Plastic housings with good resistance against chemicals and oils.

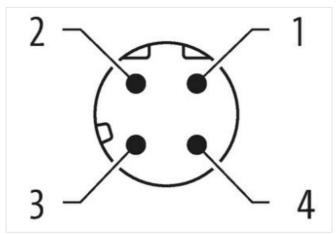
The resistance to aggressive media should be individually tested for your application. Further details on request.

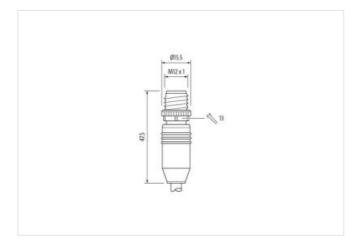
Link to Product

Illustration









Product may differ from Image



stay connected

















Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding D Material PUR Width across flats SW13 Degree of protection (ENIEC 60529) IP65, IP66K, IP67 Commercial data V ECLASS-6.0 27061801 ECLASS-6.1 27060907 ECLASS-7.0 27060907 ECLASS-8.0 27060907 ECLASS-9.0 27060907 ECLASS-1.1 27060907 ECLASS-1.2.0 27060907 ECLASS-1.1.1 27060907 ECLASS-1.2.0 27060907 ECLASS-1.2.0 27060907 ECLASS-1.1.1 27060907 ECLASS-1.2.0 27060907 ECLASS-1.1.1 27060907 ECLASS-1.2.0 27060907 ECLASS-1.3.0 404887986800 Fackaging unit 1 Electrical data Supply Operating voltage DC max. 60 V Current operatings per contact max. 1,5 A <th>Cable length</th> <th>3,5 m</th>	Cable length	3,5 m
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Contour for corrugated hose without Mechanical data Material data	Material group (IEC 60664-1)	I
Mechanical data Material data	Mechanical data	
	Contour for corrugated hose	without
Coating locking Nickeled	Mechanical data Material data	
	Coating locking	Nickeled



stay connected

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
	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.
Note on bending radius	Attention: 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	
	white, yellow, blue, orange
wire arrangement	
Cable identification Jacket Color	793
Type of Certificate	cURus
Amount stranding	1
	4 wires around Filler twisted
Stranding	
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	90 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,55 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	copper stranded wire, tinned
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 % MHz
Electrical resistance line constant wire	59,4 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - acket)	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)	-20 °C
Operating temperature max. (dynamic)	60 °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	Good, application-related testing DIN EN 60811-404
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	4 Mio.
Torsion stress	± 180 °/m