

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 7.5m

Ethernet CAT5 Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

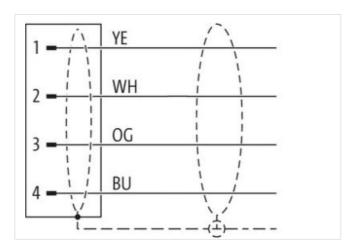
Plastic housings with good resistance against chemicals and oils.

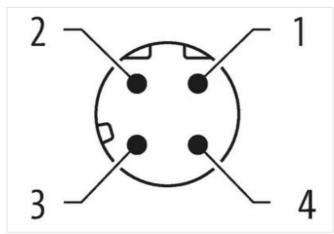
The resistance to aggressive media should be individually tested for your application. Further details on request.

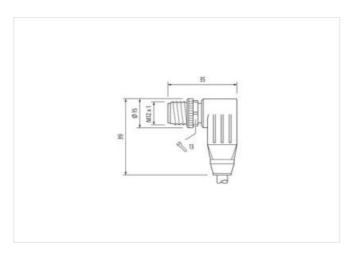
Link to Product

Illustration









Product may differ from Image











Cable length

7,5 m



stay connected

Manufact Maria M	Side 1		
Part	Tightening torque	0,6 Nm	
Price Pri	Mounting method	inserted, screwed	
December	Family construction form	M12	
Adaminal PUR Width across fistas SW13 Site 2 Stripping Ingrift (dacket) 20 mm COMMENCIAL SEC. ACCESS 91 SITE 2 STRIPPING MICHAEL SEC. ACCESS 92 STRIPPING MICHAEL SEC. ACCESS 93 STRIPPING MICHAEL SEC. ACCESS 93 STRIPPING MICHAEL SEC. ACCESS 94 CCL. ASS 9. 0. 27061801 CCL. ASS 9. 0. 27061801 CCL. ASS 9. 0. 27063907 CCL. ASS 9. 0. 2706	Thread	M12 x 1	
Width across flats	Coding		
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Stripping length (lacked) 20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
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CLASS-8.0 27060307	ECLASS-6.1	27060307	
CLASS-9.0 27060307	ECLASS-7.0	27060307	
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 usustoms tarff number 85444290 BTIN 4048879379311 Packaging unit 1 Electrical data Supply Deparating voltage DC max. 60 V Deparating voltage DC max. 60 V Deparating voltage DC 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 Upupex Full duplex Industrial communication Industrial c	ECLASS-8.0	27060307	
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Mounting method inserted, screwed, Shaking protection	Mechanical data Mounting data		
		inserted screwed Shaking protection	
Environmental characteristics Climatic			
	Environmental characteristics Climatic		



stay connected

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.
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	
·	700
Cable identification	793
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Filler twisted
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	1,6 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)	0° 08 °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