

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 30m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

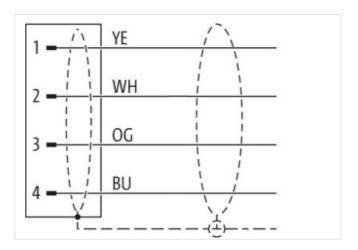
Plastic housings with good resistance against chemicals and oils.

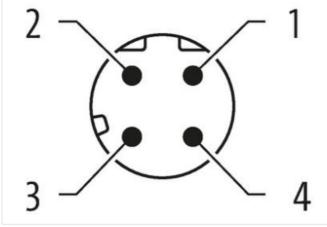
The resistance to aggressive media should be individually tested for your application. Further details on request.

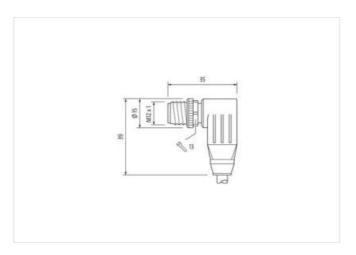
Link to Product

Illustration









Product may differ from Image











Cable length

30 m



stay connected

Mounting method inserted, serewed Family construction form M12 Times M12 x 1 Decing D Waterial PUR Width across flats SW13 Burger of protection (EN IEC 60529) 1968, IP68, IP67 Stripping length (jacket) 20 mm Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27000007 ECLASS-7.0 27000007 ECLASS-8.0 27063007 ECLASS-1.1 27000007 ECLASS-1.2 270000007 ECLASS-1.1 27000007 ECLASS-1.2 270000007 ECLASS-1.1 270000007 ECLASS-1.1 270000007 ECLASS-1.1 270000007 ECLASS-1.2 270000007 ECLASS-1.3 ECOG0299 ususions tariff number 8544290 Salari Machine Poperating voltage DC max. 0.7 Coperating voltage DC max. 1.5 A Industrial communication	Side 1	
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Decision	Family construction form	M12
Mare PUR Wind across floats SW13 SW13 SW13 SW13 SW13 SW13 SW13 SW13 SW14 SW13 SW14 S	Thread	M12 x 1
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ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tarff number 85444290 ETIM 4048879588713 Packaging unit 1 Electrical data Supply Operating voltage DC max. 66 V Current operating per contact max. 1.5 A Industrial communication Transfer parameters CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1) Deate transmission rate max. 100 MB//s Industrial communication Ethernet functionality druplex Full duplex Industrial communication Ethernet functionality druplex Full duplex Industrial communication Ethernet functionality Device protection Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I Mechanical data Mechanical data Material data Coating Offitting nickel pated Coating of fitting nickel pated Coating of fitting nickel pated Locking material Mechanical data Mounting data Meunting method inserted, screwed, Shaking protection	ECLASS-7.0	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	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1 4 wires around Core filler twisted
Stranding Cable chiefding (type)	
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 CONTRACTOR OF THE PURPLE O
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
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3 Mio. @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
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 - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Loop resistance	

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: 2024-05-16



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
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m