

M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.5m

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

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

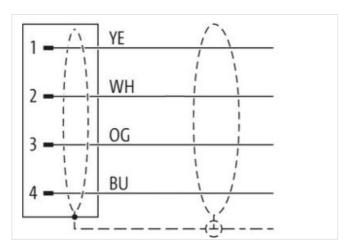
Plastic housings with good resistance against chemicals and oils.

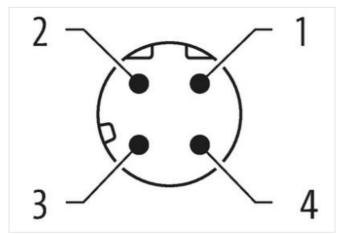
The resistance to aggressive media should be individually tested for your application. Further details on request.

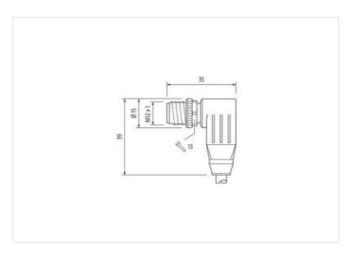
Link to Product

Illustration









Product may differ from Image











Cable length

0,5 m



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	Side 1	
Part	Tightening torque	0,6 Nm
Process M12 x 1	Mounting method	inserted, screwed
Description	Family construction form	M12
Adaminal PUR Width across files SW13 SUR 2 Stripping Ingrift (dacket) 20 mm CCLASS 6.0 27061801 CCLASS 6.0 27064807 CCLASS 6.1 27064807 CCLASS 6.1 27064807 CCLASS 6.0 27064807 CCLASS 6.1 27064807 CCLASS 7.1 270	Thread	M12 x 1
Width across flats SW13 Segree of protection (EN IEC 60529) IPS6, IPS6K, IPS7 Site 2 Protection (EN IEC 60529) IPS6, IPS6K, IPS7 Site 2 Stripping longth (jacket) 20 mm Commercial data SCLASS-6.1 27068097 SCLASS-6.1 27068097 SCLASS-8.0 27068097 SCLASS-10.1 27068097 SCLASS-11.1 27068097 SCLASS-12.0 270780997 <th< td=""><td>Coding</td><td></td></th<>	Coding	
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Stripping length (lacked) 20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 ECO02599 ususions tariff number 85444290 STIN 4048879197335 Tarakaging unit 1 Electrical data Supply Deparating voltage DC max. 60 V Deparating voltage DC max. 1,5 A Industrial communication Irransfer parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Industrial communication Ethernet functionality August Parameters CATS, Class D (ISC/IEC 118012002), (EN 50173-1) Data transmission rate max. 100 MBitrs Data transmission rate m	Commercial data	
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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	
Cable identification	796
Jacket Color	
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
Travel speed (C-track)	3 Mio. @ 25 °C
Cable weigth	69,3 g/m
Fravel speed (C-track)	3,3 m/s @ 25 °C
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
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
_oop resistance	5000 MΩ × km
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	$100~\Omega$ ± 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
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m