

M12 male 0° D-cod. / RJ45 male 0° shielded

PUR 1x4xAWG22 shielded bu UL/CSA+drag ch. 4.5m

Male straight – male straight M12 – RJ45, 4-pole D-coded shielded Ethernet CAT5

Further cable lengths on request.

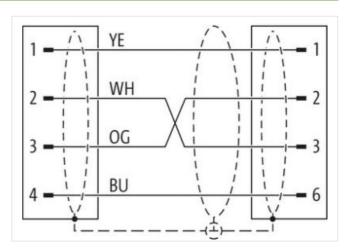
Plastic housings with good resistance against chemicals and oils.

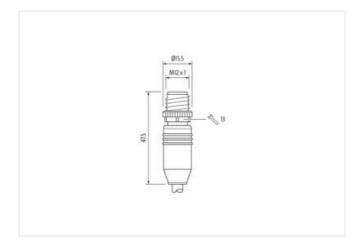
The resistance to aggressive media should be individually tested for your application. Further details on request.

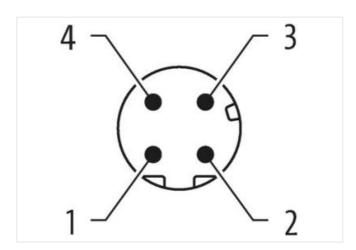
Link to Product

Illustration



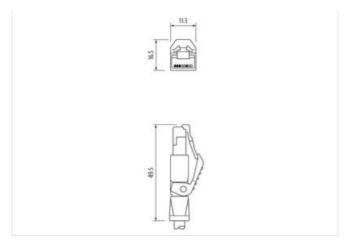


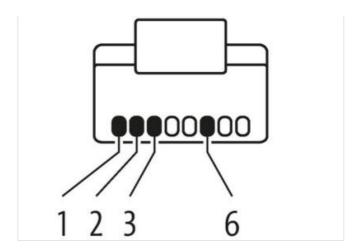






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Product may differ from Image















Cable length	4,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	D
Material	PUR
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Mounting method	pluggable
Family construction form	RJ45
Cable outlet	straight
Material	PUR
No. of poles	4
Degree of protection (EN IEC 60529)	IP20
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
customs tariff number	85444290
GTIN	4048879850032
Packaging unit	1
Electrical data Supply	



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Industrial communication	Operating voltage DC max.	60 V	
Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBits Industrial communication Ethernet functionality dupix Full duplex Period protection Electrical Additional condition protection degree Pollution Degree 3 Palled super voltage 11 NV Mechanical data protection Isolated at Markerial group (IEC 90564-1) I Mechanical data Markerial group (IEC 90564-1) I Mechanical data Markerial data Mickeled Ioo de casting Ioo de castin	Current operating per contact max.	1,5 A	
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Color (inner jacket) natur	Tolerance outer diameter (sheath)	± 5 %	
	Material inner jacket	FRNC	
	Color (inner jacket)	natur	
Material wire insulation PE	Material wire insulation	PE	

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: 2024-05-20

Traversing distance (C-track)

Travel speed (C-track)

No. of torsion cycles

Torsion stress



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
Isolation resistance	5000 MΩ × km
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	UL 1581 § 1090 IEC 60332-2-2 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)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of bending cycles (C-track)	3 Mio.

5 m @ 25 °C

1 Mio.

± 180 °/m

3,3 m/s @ 25 °C