

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

PUR 1x4xAWG22 shielded gn UL/CSA+torsion 20m

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

Further cable lengths on request.

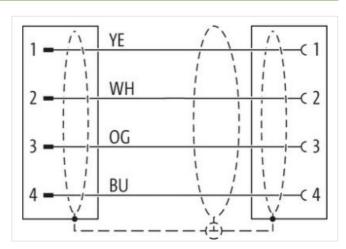
Plastic housings with good resistance against chemicals and oils.

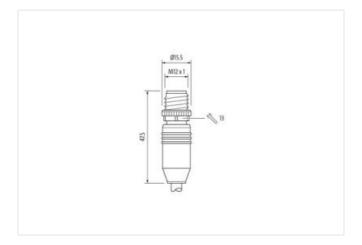
The resistance to aggressive media should be individually tested for your application. Further details on request.

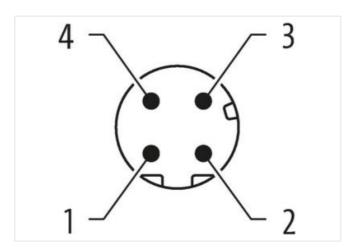
Link to Product

Illustration



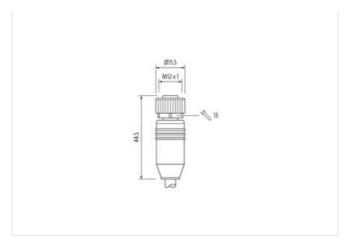


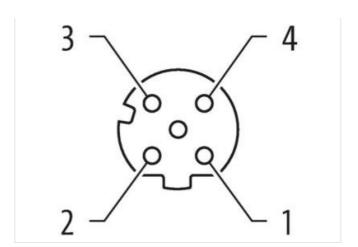






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Product may differ from Image



Cable length





20 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
Side 2	
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
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
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879798051

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: 2024-05-02



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Petertical data Supply Operating voltage DC max. 60 V Operating per contact max. 1.5 A Industrial communication Tensels parameters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1) Obtained from the communication Tensels parameters CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1) Obtained from the communication Tensels parameters Obtained from the communication Obtained	Packaging unit	1
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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		<u>-</u>
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6,6 mm		
Outer-diameter (jacket) 6,6 mm		
		-
Tolerance outer diameter (sheath) ± 5 %		•
	Tolerance outer diameter (sheath)	±5%
Material wire insulation PE	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
Ingredient 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 - 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)	-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