

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

PUR 1x4xAWG22 shielded gn UL/C 2.7m

Product fulfills requirements according to UN/ECE R118 **Ethernet CAT5** Male straight - female straight M12 - M12, 4-pole D-coded

shielded

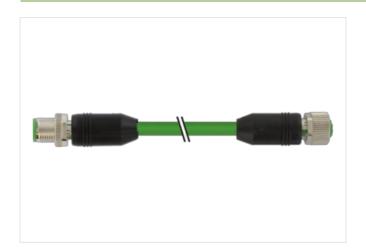
Further cable lengths on request.

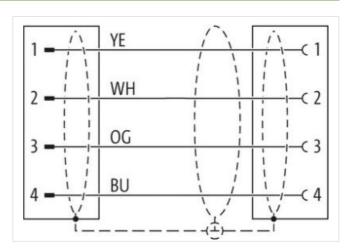
Plastic housings with good resistance against chemicals and oils.

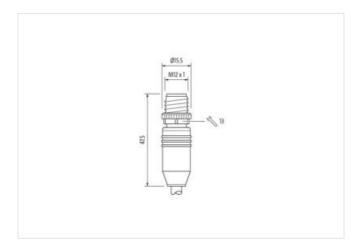
The resistance to aggressive media should be individually tested for your application. Further details on request.

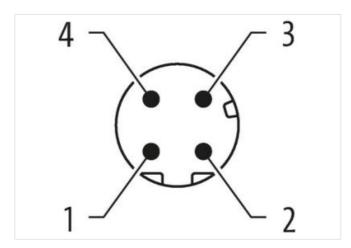
Link to Product

Illustration



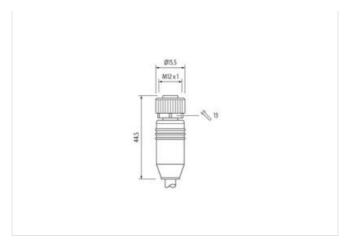


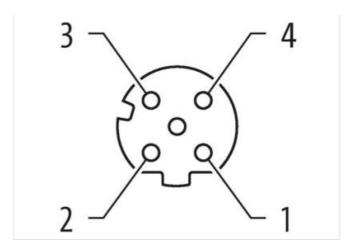






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Product may differ from Image



Cable length





2,7 m





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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	4065909095126	

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: 2024-05-15



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Electrical data Supply 60 V Operating porting protrained more contract max. 15 A Industrial communication 15 A Transfer parameters CATS, Glass D (SCHEC 11801-2002), (EN 50173-1) Data transmission rate max. 100 MBI/s Industrial communication Ethernet functionally 100 MBI/s Degree of protection Electrical 100 MBI/s Degree of protection (EN IEC 69529) IPSS, IPS7, IPS6K Meditional condition protection degree 3 Related surge voilage 1,5 kV Meditarial condition protection degree 3 Related surge voilage Nickeled Contion for corrugated flose without Mechanical data Winderfed data Mechanical data Mercal data Visit decaded Coding partial pedicing Nickeled Coding partial pedicing Nickeled Coding partial pedicing perperature max. 25 °C Operating temperature max. 26 °C	Packaging unit	1
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Cable weigth 69,3 g/m Material jacket PUR Shore hardness jacket 89 Shore A	Travel speed (C-track)	3 Mio. @ 25 °C
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Shore hardness jacket 89 Shore A	Cable weigth	69,3 g/m
	Material jacket	PUR
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Shore hardness jacket	
	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
Loop 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 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
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