

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

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 5m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5

Male straight – female straight

M12 – M12, 4-pole
D-coded

shielded

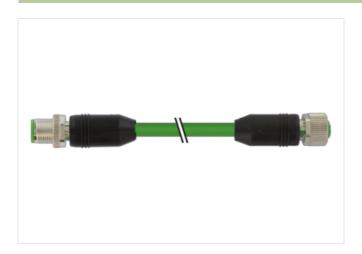
Further cable lengths on request.

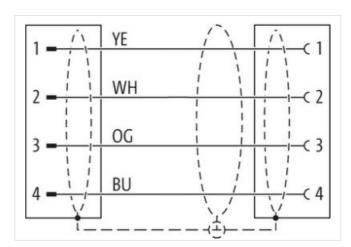
Plastic housings with good resistance against chemicals and oils.

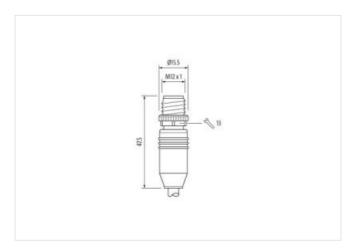
The resistance to aggressive media should be individually tested for your application. Further details on request.

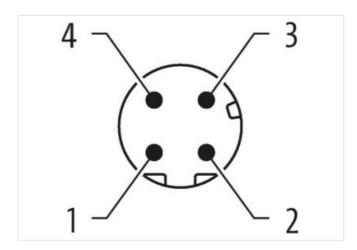
Link to Product

Illustration



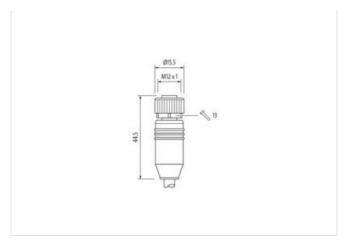


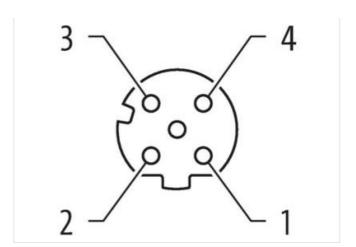






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Product may differ from Image



Cable length





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 filats SW13 Side 2 Wild macross filats 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 filats SW13 Commercial date ECLASS 6.0 27061801 ECLASS 8.0 27060307 ECLASS 9.0 27060307 ECLASS 9.0 27060307 ECLASS 9.0 27060307 ECLASS 9.1.1 27060307 ECLASS 9.1.2 27060307	Cable length	3111	
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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: 2024-05-14



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Electrical data Supply 60 V Operating vorting por contact max. 60 V Control operating por contact max. 1.5 A Industrial communication Transfer parameters CATS, Class D (ISCHEC 11801-2002), (EN 50173-1) Data transmissor max max. 100 MBIts Industrial communication Ethernet tunctionality Degree of protection Electrical Degree of protection Electrical Degree of protection (EN IEC 69529) IPS6. IPS7, IPS6K Position Degree of protection (EN IEC 69529) IPS6. IPS7, IPS6K Position Degree of protection (EN IEC 69529) IPS6. IPS7, IPS6K Modification at confliction protection degree 3 Falled supply evoltage 1,5 kV Mechanical data Without Mechanical data (Marcial data Vision Degree of protection (EN IEC 6964-1) I Mechanical data (Marcial data Vision Degree of protection (EN IEC 6964-1) I Mechanical data (Marcial data Vision degree degree of protection (EN IEC 696529) IVS6. INS. INS. INS. INS. INS. INS. INS. INS	Packaging unit	1
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Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. 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 green Cype 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 Traver sing distance (C-track) 5 m @ 25 °C Cable weight 69,3 g/m Travel speed (C-track) 3,3 m/s @ 25 °C Material jacket PUR Shore hardness jacket 89 Shore A		
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Material jacket PUR Shore hardness jacket 89 Shore A	Cable weigth	-
Shore hardness jacket 89 Shore A	Travel speed (C-track)	3,3 m/s @ 25 °C
	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



stay	connected
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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