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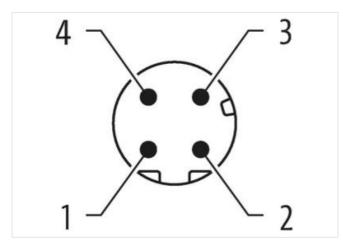
M12 male 0° / M12 male 0° D-cod. shielded

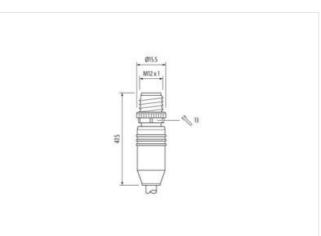
PUR 1x4xAWG22 shielded gn UL/CSA 3.1m

Ethernet CAT5e Transmission properties with channel transmission up to 100 m Male straight – male 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







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Product may differ from Image

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EtherNet/IP

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Cable length	3,1 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)	IP65, IP66K, IP67
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
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879664523
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5e, Class D (ISO/IEC 11801:2002), (EN 50173-1)
Data transmission rate max.	100 MBit/s

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duplex	Full duplex		
Device protection Electrical			
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K		
Additional condition protection degree	inserted, screwed		
Pollution Degree	3		
Rated surge voltage	1,5 kV		
Material group (IEC 60664-1)			
Mechanical data			
Contour for corrugated hose	without		
Mechanical data Material data			
Coating locking	Nickeled		
Locking material	Zinc die-casting		
Mechanical data Mounting data			
Mounting method	inserted, screwed, Shaking protection		
Environmental characteristics Climatic			
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			
	white vellow hive erence		
wire arrangement Cable identification	white, yellow, blue, orange 794		
Jacket Color	green		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	4 wires around Filler twisted		
Cable shielding (type)	copper braid, tinned		
Cable shielding (coverage)	85 %		
Banding	Fleece, Foil		
Filler	yes		
wire arrangement	white, yellow, blue, orange		
Cable weigth	75,87 g/m		
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)	white		
Material wire insulation	PE		
Amount wires	4		
Outer diameter insulation	1,55 mm		
Outer diameter tolerance core insulation	±5%		
Shore hardness wire insulation	65 Shore D		
Shore hardness wire insulation Ingredient freeness wire insulation	65 Shore D lead-free, CFC-free, halogen-free		

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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 %
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)	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)	0° ℃
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)	6 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter

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