

M12 male 90° D-cod. / RJ45 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 0.6m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

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

Male 90° – male straight

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

Transmission properties with channel transmission up to 100 m

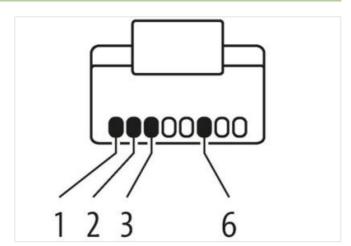
Further cable lengths on request.

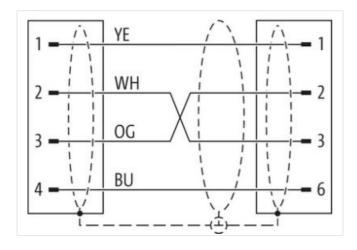
Plastic housings with good resistance against chemicals and oils.

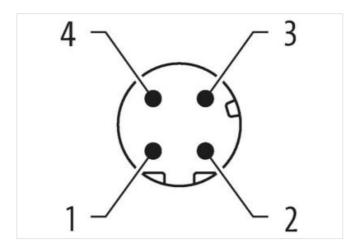
Link to Product

Illustration



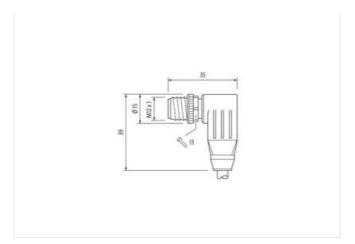


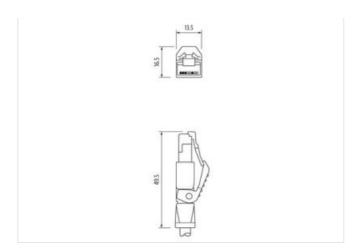






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Product may differ from Image















Cable length	0,6 m
Side 1	
Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Family construction form	RJ45
Material	PUR
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
ETIM-5.0	EC002599
customs tariff number	85444290
GTIN	4048879551212
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	60 V
Operating voltage DC max. (UL-listed)	30 V
Current operating per contact max.	1,5 A
Industrial communication	



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endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable wire arrangement white, yellow, blue, orange Cable identification 796 Jacket Color green Type 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 Cable weigth 69,3 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	nsfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
duplex Full duplex Peritation Degree 3 Rated surge voltage 1 kV Material group (IEC 60664-1) I Mechanical data Contour for corrugated hose without Mechanical data Material date Coaling looking Nickeled Coaling looking Material Mounting data Mounting method Inserted, screwed, Shaking protection Environmental characteristics Climatic Coperaling 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. Attention: Observe the pormissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Installation Cable wire arrangement white, yellow, blue, orange Cable identification 798 Jacket Cofor green Type of Carrificate cUPus Amount stranding 1 Stranding 4 wires around Core filler twisted Cable shielding (type) copper braid, tinned Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Bandring Fleece, Foll Filler yes wire arrangement white, yellow, blue, orange Cable weight 89,3 g/m Material jacket Fieldom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, ellicone-free	a transmission rate max.	100 MBit/s
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		6,7 mm
Tolerance outer diameter (sheath) ± 5 % Meterial inner insket	· , ,	
Material inner jacket FRNC		
Color (inner jacket) natur Material wire insulation PE		
Amount wires 4		
Outer diameter insulation 1,4 mm		
Outer diameter insulation 1,4 min Outer diameter tolerance core insulation ± 5 %		
Shore hardness wire insulation 65 Shore D		
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free		

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: 2024-06-26



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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	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 bending cycles (C-track)	3 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C
Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m