

M12 female 90° Y-cod. with cable shielded

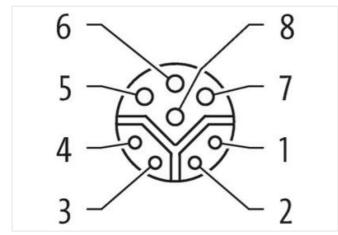
PUR AWG20/26 shielded bk UL/CSA+drag ch. 5m

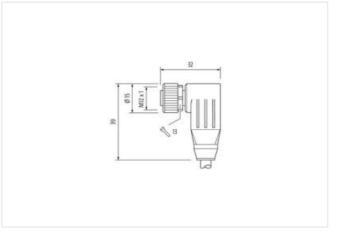
Ethernet CAT5 Female 90° M12, 8-pole Y-coded shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product



OG WH	
GN WH	
GN	
BU	
WH	
BN	
BK	





Product may differ from Image



Cable length

5 m

Side 1

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Family construction form M12 Thread M12 x 1 Coding Y Material PUR With across flats SW13 Dagree of protection (EN EC 60529) IP65, IP67 Commercial data ECLASS-6.0 ECLASS-6.0 27279218 ECLASS-6.0 27060307 ECLASS-6.0 27060307 ECLASS-8.0 27060307 ECLASS-8.1 27060307 ECLASS-8.1 27060307 ECLASS-8.1 27060307 ECLASS-8.1 27060307 ECLASS-8.1 27060307 ECLASS-8.1.1 27060307 ECLASS-8.1.2 27060307 ECLASS-8.1.3 27060307 ECLASS-8.1.4 27060307 ECLASS-8.1.5 EC001855 cautoms tarff number 6544230 GTIN 4948979905176 Packaging unit 1 Electrical data [Supply Coperating voltage PC max. Operating voltage PC max. 50 V Operating voltage PC max. 50	Tightening torque	0,6 Nm		
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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	
Cable identification	805
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around 1 Filler twisted
Amount stranding (type 2)	
Stranding (type 2)	4 wires around Stranding combination with Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Pair shielding (type)	copper braid, tinned
Banding	Fleece. Foil
Filler	yes
wire arrangement	black, brown, white, blue, (orange-white, green, orange, green-white)
Cable weigth	107,8 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	8.1 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	РР
Amount wires	4
Outer diameter insulation	
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	± 5 % 55 ± 5 Shore D
	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Ingredient freeness wire insulation	
Amount strands (wire)	19 20 AWG
Diameter of single wires	
Conductor crosssection (wire) Material conductor wire	20 AWG
Material conductor wire Material wire insulation (Data)	Stranded copper wire, bare PP
Outer diameter wire insulation (Data)	PP 1.1 mm
Tolerance outer diameter wire insulation (Data)	•
	55 ± 5 Shore D
Shore hardness wire insulation (Data)	
Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires (Data)	4
Amount strands wire (Data)	19
Diameter of single wires (Data)	26 AWG
Conductor crosssection wire (Data)	26 AWG
Material conductor wire (Data)	Stranded copper wire, bare
Traversing distance (C-track)	5 m
Nominal voltage AC max.	60 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	5,9 A
Current load capacity min. Wire (Data)	2 A

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Characteristic impedance	100 Ω ± 15 % @ 1 MHz
Electrical resistance line constant wire	35 Ω/km
Electrical resistance coating wire (Data)	140 Ω/km
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	52000 pF/km
Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-40 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min

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: 2024-05-20