

M12 male 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 8.5m

DeviceNet, CANopen Male straight M12, 5-pole

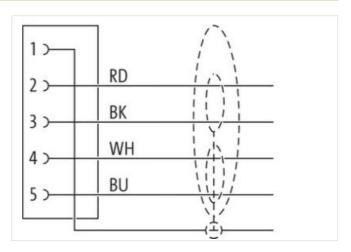
Plastic housings with good resistance against chemicals and oils.

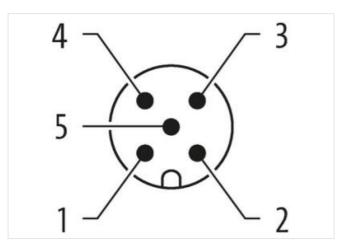
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

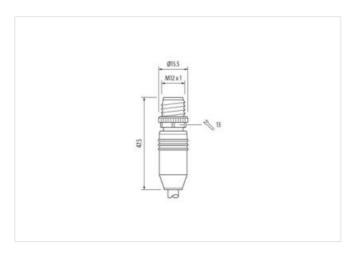
Link to Product

Illustration









Product may differ from Image













Cable length

8,5 m

Side 1

Tightening torque

0,6 Nm



stay connected

Family construction from	Mounting method	inserted, screwed	
Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) UPSE, IPSER, UPS7 Side 2 Stripping length (secket) 20 mm Commercial data ECLASS 7.0 27061801 ECLASS 7.0 27061801 ECLASS 8.0 27061801 ECLASS 8.0 27061801 ECLASS 10.1 27060907 ECLASS 11.1 27080907 ECLASS 12.0 27090907 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 ECLASS 12.0 <th c<="" td=""><td>Family construction form</td><td>M12</td></th>	<td>Family construction form</td> <td>M12</td>	Family construction form	M12
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Important installation notes			
	Additional condition temperature range	depending on cable quality	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Important installation notes		
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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: 2024-05-04



stay connected

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius

Note on bending radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	803
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
Traversing distance (C-track)	5 m
Cable weigth	63,12 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)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE PE
	2
Amount wires Outer diameter insulation	2.1 mm
Outer diameter insulation Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
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Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data PE
Material wire insulation (Data)	1,5 mm
Outer diameter wire insulation (Data) Tolerance outer diameter wire insulation (data)	·
Ingredient freeness wire insulation (Data)	
Amount wires (Data)	lead-free, CFC-free, halogen-free
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power 200 V
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. Wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km

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Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
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	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min