

stay connected

M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 10m

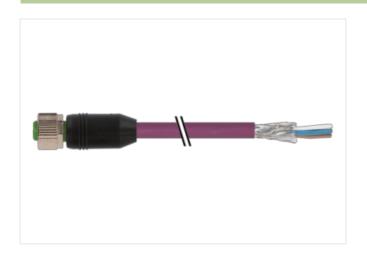
DeviceNet, CANopen Female straight M12, 5-pole A-coded

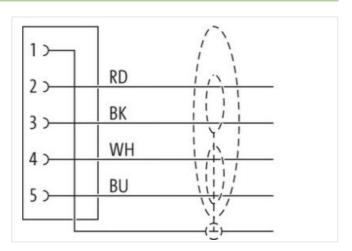
Plastic housings with good resistance against chemicals and oils.

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

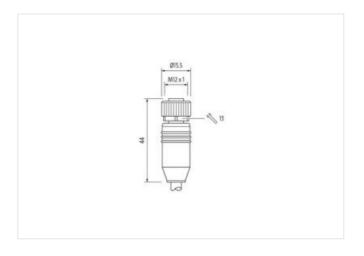
Link to Product

Illustration









Product may differ from Image













Cable length

10 m

Side 1

Tightening torque

0,6 Nm



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Family construction from M12 model of the mo	Mounting method	inserted, screwed	
Treed	Family construction form	·	
Coding	Thread	M12 x 1	
Medical (Micha cross fields) PUR Width across fields SW 13 Side 2 Side 2 Commercial data ECLASS 6.0 2766 801 ECLASS 7.0 27600307	Coding		
Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Side 2 Simple of pengh (jicket) 20 mm Commercial data Commercial data ECLASS 6.0 27061801 ECLASS 7.0 27061807 ECLASS 7.0 27063007 ECLASS 8.0 27063007 ECLASS 9.0 27063007 ECLASS 10.1 27063007 ECLASS 11.2 27063007 ECLASS 11.2 27063007 ECLASS 12.0 27063007 ECLASS 11.1 27063007 ECLASS 11.2 27063007 ECLASS 11.2 27063007 ECLASS 11.1 27063007 ECLASS 11.2 27063007 ECLASS 11.1 27063007 ECLASS 11.2 4048879199575 Packaging unit 1 Electrical data Supply 20 Operating voltage DC max. 60 V Operating voltage DC (UL-isleed) 30 V Operating voltage DC (UL-isleed) 30 V Device protection Electrical M2 x I	Material	PUR	
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Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C	
	Operating temperature max.	85 °C	
Conformity	Additional condition temperature range	depending on cable quality	
	Conformity		



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Product standard	DIN EN 61076-2-101 (M12)

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)
No. of bending cycles (C-track)	1 Mio.
Cable weigth	63,12 g/m
Material jacket	PUR 90 ± 5 Shore A
Shore hardness jacket 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
Amount wires	2
Outer diameter insulation	2,1 mm
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
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
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
Traversing distance (C-track)	5 m
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
Electrical resistance coating wire (Data)	54 Ω/km
Nominal voltage power AC max.	300 V
Electric capacitance (power)	40000 pF/km



AC withstand voltage power (wire - shield)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	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
No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m