

## M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 9m

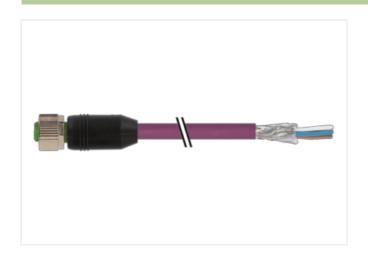
DeviceNet, CANopen Female straight M12, 5-pole A-coded

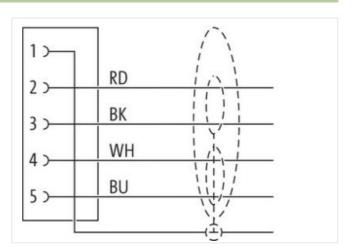
Plastic housings with good resistance against chemicals and oils.

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

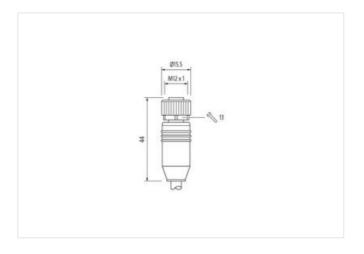
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

9 m

Side 1

Tightening torque

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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-10.1	27060307
ECLASS-11.1	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879728010
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	
3	3
Rated surge voltage	3 1,5 kV
Rated surge voltage  Material group (IEC 60664-1)	3 1,5 kV
Rated surge voltage Material group (IEC 60664-1)  Mechanical data	1,5 kV
Material group (IEC 60664-1)  Mechanical data	1,5 kV
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose	1,5 kV
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data	1,5 kV I without
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking	1,5 kV I without Nickeled
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data	1,5 kV I without
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting	1,5 kV  I  without  Nickeled nickel plated
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket	1,5 kV I without Nickeled nickel plated FKM
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection	1,5 kV  I  without  Nickeled  nickel plated  FKM  Zinc die-casting
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	1,5 kV  I  without  Nickeled  nickel plated  FKM  Zinc die-casting
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection  Mechanical data   Mounting data	1,5 kV  I  without  Nickeled nickel plated FKM  Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic	1,5 kV  I  without  Nickeled nickel plated FKM Zinc die-casting Zinc die-casting inserted, screwed, Shaking protection
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.	1,5 kV  I  without  Nickeled nickel plated FKM Zinc die-casting Zinc die-casting  inserted, screwed, Shaking protection  -25 °C
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.	1,5 kV  I  without  Nickeled  nickel plated  FKM  Zinc die-casting  Zinc die-casting  inserted, screwed, Shaking protection  c  -25 °C  85 °C
Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material  Material screw connection  Mechanical data   Mounting data  Mounting method  Environmental characteristics   Climatic  Operating temperature min.	1,5 kV  I  without  Nickeled nickel plated FKM Zinc die-casting Zinc die-casting  inserted, screwed, Shaking protection  -25 °C

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Mata an han Pan an Par	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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)
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
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
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



Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
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