

## M12 female 0° A-cod. with cable

PUR AWG24+22 shielded vt UL/CSA+drag ch. 32m

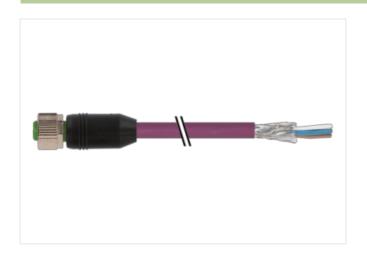
DeviceNet, CANopen Female straight M12, 5-pole A-coded

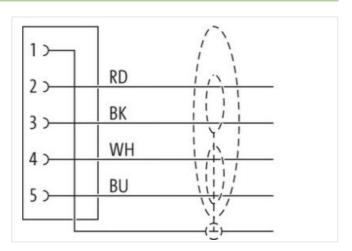
Plastic housings with good resistance against chemicals and oils.

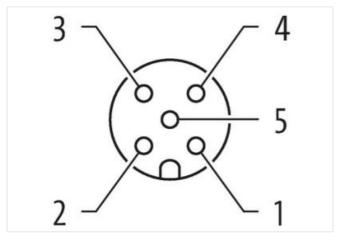
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration









Product may differ from Image













Cable length

32 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-18



Family construction from M12 minuted M12 m	Mounting method	inserted, screwed
Trimate	_	· · · · · · · · · · · · · · · · · · ·
Coding         A           Mobileria         PUR           Width across flats         SW13           Degree of princetion (EN IEC 60529)         196, 1966, IP67           Sing 2         STripping length (jackel)         20 mm           Commercial data           ECLASS 6.0         27068007           ECLASS 6.0         27068007           ECLASS 7.0         27068007           ECLASS 9.0         27090007           ECLASS 1.1         27068007           ECLASS 1.2         27068007           ECLASS 1.1         27068007           ECLASS 1.2.1         27068007           ECLASS 1.2.2         27068007           ECLASS 1.2.3         27068007           ECLASS 1.2.1         27068007           ECLASS 1.2.1         27068007           ECLASS 1.2.2         27068007           ECLASS 1.2.3         0.0           Department of the state of		
Medicaria		
Width across flats         SW13           Degree of protection (EN IEC 60529)         IPSS, IPO6K, IPS7           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 9.1         27060307           ECLASS 1.1.1         27060307           ECLASS 1.2.0         27060307           ECLASS 1.1.1         27060307           ECLASS 1.2.0         27060307           ETIM 5.0         EC001885           Eustons striff number         85444290           SEASH 1.1         404879445177           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Opparating voltage AC max.         60 V           Opparating voltage AC (UL listed)         30 V           Current operating per contact max.         4 A           Device protection   Electrical         Male x 1           Mounting set         Installation   Commodition           Solitage AC max.         60 V <td>Material</td> <td></td>	Material	
Post		
Side 2         Stropping parth (jackvol)         20 mm           Commercial date         Commercial date           ECLASS-6.0         270618001           ECLASS-6.1         270603007           ECLASS-7.0         270603007           ECLASS-9.0         270603007           ECLASS-10.1         270603007           ECLASS-11.1         270603007           ECLASS-12.0         270603007           ECLASS-13.1         270603007           ECLASS-12.0         270603007           ETIM 5.0         ECONDESS-11.1           ECLASS-12.0         270603007           ETIM 5.0         404829           ETIM 5.0         404829           ETIM 5.0         404829           ETIM 5.0         404929 <td></td> <td></td>		
Stripping length (jacker)         20 mm           Commercial data         CECLASS 6.0         27061801           ECLASS 6.1         27066907           ECLASS 6.0         27066907           ECLASS 8.0         27066907           ECLASS 8.0         27066907           ECLASS 8.10.1         27066907           ECLASS 8.11.1         27066907           ECLASS 8.12.0         27060907           ECLASS 8.12.0         27060907           ECLASS 9.1.1         27066907           ECLASS 9.1.1         27069007           ECLASS 9.1.1         27069007           Eclass 9.1.1         27069		
Commercial data         2016 1801           ECLASS-6.0         2706 1801           ECLASS-7.0         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         ECO1855           USUSIONS BARTH TUMBER         85448290           STIN         4048879445177           Packaging unit         1           Electrical data   Supply         Poperating voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30		
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ECLASS-1.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           coustoms tariff number         85444290           STIN         4048879445177           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Outron toperating por contact max.         4 A           Installation   Connection         Stripping length (flacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree         3           Pollution Degree         3           Rated sugs voltage         1,5 kV           Material group (IEC 6068-1)         1           Mechanical data   Material data         Conting focking         Nickeled           Coating focking         Nickeled           Coating focking         Nickeled locating           Material gasket         FKM           Locking material	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC001855           sustoms tarif number         85444290           GTIN         4048879445177           Packaging unit         1           Electrical data   Supply         Deperating voltage AC max.           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating porting porting porting working per contact max.         4 A           Installation   Connection         With x 1           Stripping length (lacket)         20 mm           Mounting set         Max x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 80664-1)         1           International data         International data   Material data           Coating locking         Nickeled           Coating locking and pala         inkel plated           Material grave connection         Zinc die-casting           Material gasket         FKM	ECLASS-10.1	27060307
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Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage DC max. 60 V  Operating voltage DC max. 60 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  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material gasket FKM  Locking material Screw connection Zinc die-casting  Meterial screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Deperating temperature max. 85 °C  Additional condition temperature range depending on cable quality	GTIN	4048879445177
Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Ourset 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  Palated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data  Coating locking Nickeled Coating locking Nickeled Coating of fitting nickel plated Material growe onnection inserted, screwed, Shaking protection Mechanical data   Material data  Coating locking Nickeled Material gasket FKM Material growe onnection inserted, screwed, Shaking protection  Mechanical data   Mounting data Material growe onnection inserted, screwed, Shaking protection  Environmental characteristics   Climatic Environmental characteristics   Climatic Environmental temperature max. 85 °C Additional condition temperature range depending on cable quality	Packaging unit	1
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)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data           Conting locking           Coating of fitting         nickel plated           Material gasket         FKM           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature mix.         85 °C           Additional condition temperature max.         depending on cable quality	Electrical data   Supply	
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Installation   Connection  Stripping length (Jacket) 20 mm  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking nickel plated  Material gasket FKM  Locking material cornection   Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min25 °C  Deparating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Operating voltage DC (UL-listed)	30 V
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Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Material gasket FKM  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Material group (IEC 60664-1)	I
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Material screw connection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Additional condition temperature range depending on cable quality	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	Material screw connection	<del>_</del>
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Mounting method	inserted, screwed, Shaking protection
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality		
Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality		
	Additional condition temperature range	
	Important installation notes	

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: 2024-05-18



Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Note of bending facility	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	
Folerance 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)	± 53 %	
ngredient 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	
Fraversing 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	
	Power	



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