

## M12 male 0° / M12 female 0° A-cod.

PUR AWG24+22 shielded vt UL/CSA+drag ch. 2.7m

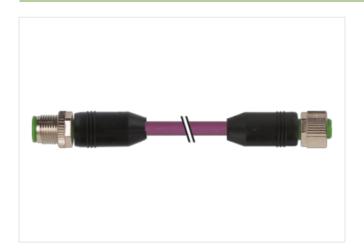
DeviceNet, CANopen Male straight – female straight M12 – M12, 5-pole A-coded shielded

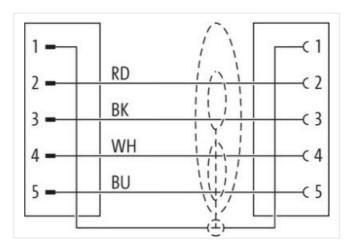
Plastic housings with good resistance against chemicals and oils.

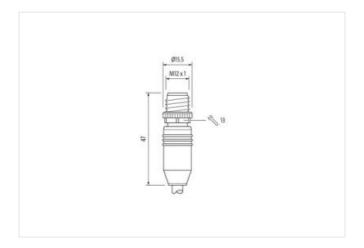
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

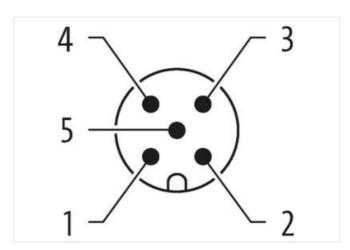
## **Link to Product**

## Illustration



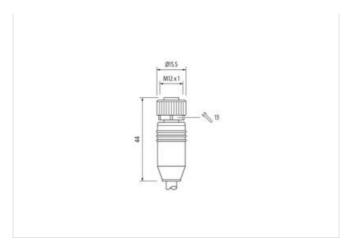


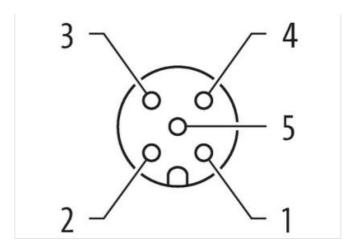






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Product may differ from Image



Cable length





2,7 m







Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Cable outlet	straight
Coding	A
Material	PUR
Width across flats	SW13
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	EC001855
customs tariff number	85444290
GTIN	4048879758789

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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	
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	
Contour for corrugated hose	without
Mechanical data   Material data	
· ·	Nickeled
Coating locking  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	
·	
Operating temperature min.	-25 °C
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	<b>Attention:</b> 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	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
Cable weigth  Material jacket  Shore hardness jacket	63,12 g/m PUR 90 ± 5 Shore A

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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           Oralid virie (cross-section)         22 AWG           Material conductor wire         copper stranded wire, tinned           Electrical function wire         Data           Material vire insulation (Data)         PE           Outer diameter wire insulation (Data)         P.           Tolerance outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         1.5 mm           Tolerance outer diameter wire insulation (Data)         2.2 AWG           Conductor crossessetion wire (Data)         2.2 AWG           Material conductor wire (Data)         <	
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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 %         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         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         Electrical resistance coating wire (Data)       54 Ω/km         AC withstand voltage (wire - wire)       2 kV @ 60 s <td></td>	
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Characteristic impedance $120 \Omega \pm 10 \% @ 1 \text{ MHz}$ Electrical resistance line constant wire $78 \Omega/\text{km}$ Electrical resistance coating wire (Data) $54 \Omega/\text{km}$ AC withstand voltage (wire - wire) $2 \text{ kV } @ 60 \text{ s}$	
Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  AC withstand voltage (wire - wire) 2 kV @ 60 s	
Electrical resistance line constant wire 78 $\Omega$ /km  Electrical resistance coating wire (Data) 54 $\Omega$ /km  AC withstand voltage (wire - wire) 2 kV @ 60 s	
Electrical resistance coating wire (Data) 54 $\Omega$ /km AC withstand voltage (wire - wire) 2 kV @ 60 s	
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 (static) 40 °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	