

## M12 female 0° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 5m

M12, 5-pole Female straight shielded

with cable sleeves

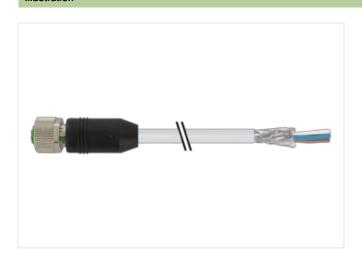
Plastic housings with good resistance against chemicals and oils.

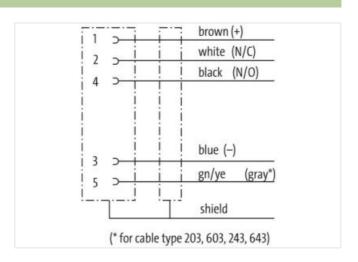
The resistance to aggressive media should be individually tested for your application. Further details on request.

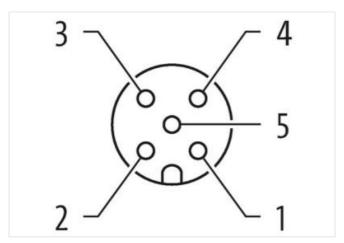
Further cable lengths on request.

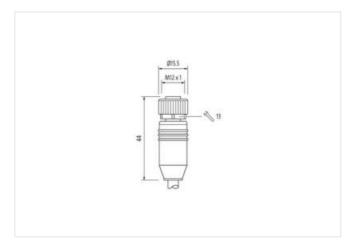
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

5 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: 2024-05-17



stay connected

Thread ME2 to ME	Mounting method	inserted, screwed	
Timed         M12 1           Cable corbiet         straight           Cable corbiet         straight           Cable corbiet         PUR           Material         SW13           Width across flass         SW13           Degree of protection (EN ISC 60529)         PS6, F66K, IP67           Strepping length (jackety)         20 mm           Commercial data           ECLASS 60         27979218           ECLASS 70         27279218           ECLASS 90         27979218           ECLASS 90         27990311           ECLASS 11.0         27980311           ECLASS 12.0         27900311           ECLASS 12.0         27000311		· · · · · · · · · · · · · · · · · · ·	
Cable Coding         A           Coding         A           Mariania         PUR           Wich acons flats         SW13           Degree of protection (RUEC 60054)         IP86, P86K, P87           Side 2         SW19           Stripping langth (jackoti)         20 mm           ECLASS-6.0         27278218           ECLASS-7.0         27279218           ECLASS-8.0         27000311           ECLASS-9.0         27000311           ECLASS-1.1         27000311           ECLASS-1.2.0         27000311           ECLASS-1.2.0         27000311           ETM-9.0         ECCASS-1.1           ECLASS-1.2.1         27000311           ETM-9.0         ECCASS-1.2			
Coding         A           Material         PUR           Worth across flats         SW13           Degree of protection (EN IEC 60529)         P95E, IPS6K, IPS7           Stripping length (jacker)         20 mm           Commercial data           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-13.1         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-10.1         27060311           ECLASS-10.1         6004031           Packaging unit         1           ECLASS-10.1           Departing vollage AC max.         60 V           Operating vollage DC max.         60 V           Operating vollage DC max.         60 V           Operating vollage DC IUIIsseet)         30 V           Operating vollage DC IUIIsseet)<			
Material         PUR           Width across flats         SW13           Dages of protection (EN EC 00529)         IP85 (PBK (P87)           Side 2         Stripping length (scket)         20 mm           Commercial date         Commercial date           ECLASS 0         2779218         ECLASS 7.0         2779218           ECLASS 9.0         2779218         ECLASS 9.0         27606311           ECLASS 9.1         27006311         ECLASS 1.0         27606311           ECLASS 12.0         27706311         ETM 5.0         ECM 5.0 </td <td></td> <td></td>			
Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)         20 mm           Commercial data           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-1.1         27060311           ECLASS-1.2         27000311           ECLASS-1.2         27000311           ECLASS-1.1         27000311           ECLASS-1.2.0         27000311           ECLASS-1.0         ECORDISS           CLASS-1.1.1         27000311           ECLASS-1.2.0         ECORDISS           GIN         494870440431           ECRACIA SURPIN           ECRACIA SURPIN           Coperating voltage DC max         60 V           Operating voltage DC (ILL-leited)         30 V           Coperating voltage DC (ILL-leited)         30 V           Coperating voltage DC (ILL-leited)         30 V           Coperating voltage perotection IElectrical <th col<="" td=""><td></td><td></td></th>	<td></td> <td></td>		
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping (injokot)         20 mm           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         22729218           ECLASS-8.0         277060311           ECLASS-9.0         27060311           ECLASS-9.1.1         27060311           ECLASS-11.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         2706311           Packerial Substance			
Side 2           Stripping length (lacket)         20 mm           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27270218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.0.0         27060311           ECLASS-1.0.1         27060311           ECLASS-1.0.0         27060311           ECLASS-1.0.1         27060311           ECLASS-1.1         27060311           ECLASS-1.0         27060311           ECLASS-1.1         27060311           Electrical data I Supply           Operating voltage DC max         60 V           Operating vo			
Stripping length (jacket)   20 mm		1P65, 1P66K, 1P67	
Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27669311           ECLASS-11.1         27669311           ECLASS-12.0         27669311           ETM-5.0         ECOM3855           customs tariff rumber         85444290           GITN         404887940431           Packaging unit         1           Electrical data i Suppty         50 V           Perating voltage AC max.         60 V           Operating voltage AC (IL-listed)         30 V           Operating voltage AC (IL-listed)         15 k V<	Side 2		
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC01855           Louisons traff number         8544290           GTIM         404879440431           Packaging unit         1           Electrical data   Supply           Operatiny voltage AC max.         60 V           Operatiny voltage AC max.         60 V           Operatiny voltage AC (UL-listed)         30 V           Worth operating per content max.         4 A           Installation   Connection         M12 x 1           Stripping length (jacket)         20 mm           Mounting pertoection   Electrical           Additional condit	Stripping length (jacket)	20 mm	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27600311           ECLASS-10.1         27600311           ECLASS-11.1         27600311           ECLASS-11.2         27600311           ECLASS-11.0         ECRASS-11.1           ECLASS-12.0         27600311           ETIM-5.0         ECO1855           customs tariff number         65444290           GTIN         404887440431           Packaging unit         1           Clectrical data   Suppty         Electrical data   Suppty           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC QU-Listed)         30 V           Mounting set         M12 x 1           Gender         Fenale           Device protection   Electrical         Additional condition protection degree	Commercial data		
ECLASS-8.0         27279218           ECLASS-9.0         27600311           ECLASS-10.1         27600311           ECLASS-11.1         27600311           ECLASS-12.0         27600311           ECLASS-12.0         27600311           ETIMI-5.0         ECO01855           customs tariff number         85444290           GTIN         404887940431           Packaging mit         1           Electrical data   Suppty           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           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Rispoin gording flacket)         20 mm           Mounting set         M12 x 1           Gender         female           Political Degree           Reddional condition protection degree         inserted, screwed           Pollticon Degree         3           Retended star         V           Contract for corrugated hose         without           Mechanical data   Material data </td <td>ECLASS-6.0</td> <td>27279218</td>	ECLASS-6.0	27279218	
ECLASS 9.0         27660311           ECLASS 1-0.1         27660311           ECLASS 1-1.1         27060311           ECLASS 1-2.0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879440431           Packaging unit         1           Electrical data   Supply         February           Operating voltage AC max         60 V           Operating voltage AC (UL-lised)         30 V           Operating voltage DC max         60 V           Operating voltage DC (UL-lised)         30 V           Current operating per contact max.         4 A           Installation   Connection         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Follution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60684+)         I           Mechanical data   Material data         Mickeled           Coating of fitting         nickel plated           Locki	ECLASS-7.0	27279218	
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ETM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879440431           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Installation   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltag	ECLASS-8.0	27279218	
ECLASS-11.11         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECD01855           customs tariff number         85444290           GTIN         4048879440431           Packaging unit         1           Electrical data   Supply           Operating vollage AC max.         60 V           Operating vollage AC (UL-listed)         30 V           Operating vollage AC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection           Stripping length (gacket)         20 mm           Mounting set         M12 x 1           Gendor           Peutice protection   Electrical           Additional condition protection degree         Inserted, screwed           Politation Degree         3           Additional condition protection degree         Inserted, screwed           Politation Degree         3           Additional condition protection degree         Inserted, screwed           Politation Engree         3           Action Engree           Action Engree <td co<="" td=""><td>ECLASS-9.0</td><td>27060311</td></td>	<td>ECLASS-9.0</td> <td>27060311</td>	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879440431           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC 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         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           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         Without           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating locking material         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting	ECLASS-10.1	27060311	
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048873440431           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (IU-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating port contact max.         4 A           Installation   Connection         Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           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         Image: Control of Co	ECLASS-11.1	27060311	
customs tariff number         85444290           GTIN         4048879440431           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating post loage DC (UL-listed)         30 V           Operating post contact max.         4 A           Installation   Connection         Stripping length (jacket)           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           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         Webhanical data           Conting locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data	ECLASS-12.0	27060311	
GTIN 4048879440431 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  Installation   Connection  Stripping length (jacket) 20 mm Mounting set M12 x 1 Gender female  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60684-1) 1 Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Coating of fitting nickel plated Coating of fitting nickel plated Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental Characteristics   Climatic  Operating temperature min25 °C Operating temperature man. 85 °C  Additional condition temperature range depending on cable quality	ETIM-5.0	EC001855	
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Gender female  Device protection   Electrical   Additional condition protection degree inserted, screwed   Pollution Degree 3   Rated surge voltage 1,5 kV   Material group (IEC 60664-1)    Mechanical data   Contour for corrugated hose without   Mechanical data   Material data   Coating locking Nickeled   Coating of fitting nickel plated   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 min25 °C   Operating temperature max. 85 °C   Additional condition temperature range   depending on cable quality		M12 x 1	
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  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Locking material  Atterial screw connection Zinc die-casting  Mechanical data   Mounting data  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		female	
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Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  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			
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Material screw connection Zinc die-casting  Mechanical data   Mounting data  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	Coating of fitting	nickel plated	
Mechanical data   Mounting data  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	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	Zinc die-casting	
Environmental characteristics   Climatic  Operating temperature min.  Operating temperature max.  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality	Mechanical data   Mounting data		
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 max. 85 °C Additional condition temperature range depending on cable quality	Environmental characteristics   Climatic		
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		85 °C	
		depending on cable quality	

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: 2024-05-17



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Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on behaing radius	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	243
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	brown, black, blue, white, gray
Cable weigth	57,2 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)	5,6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	5
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Traversing distance (C-track)	5 m @ 25 °C   horizontal
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	5 Mio. @ 25 °C



No. of torsion cycles	2 Mio.	
Torsion stress	± 30 °/m	
Torsion speed	35 cycles/min	