

## M12 male 0° / M8 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 22m

Male straight - female straight

M12 - M8, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

Plastic housings with good resistance against chemicals and oils.

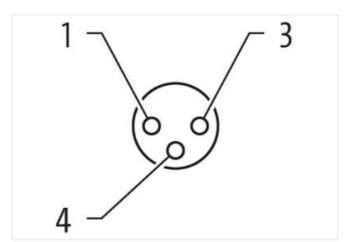
The resistance to aggressive media should be individually tested for your application. Further details on request.

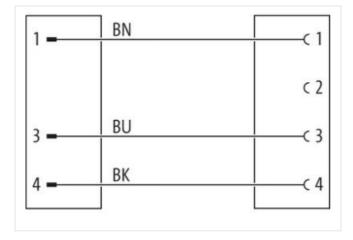
Further cable lengths on request.

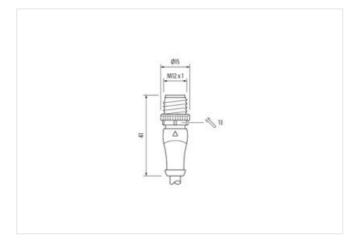
## **Link to Product**

## Illustration





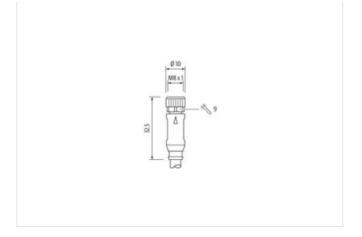






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Product may differ from Image



Cable length





22 m





Side 1           Tightening torque         0,6 Nm           Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2         Tightening torque           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         8	-	
Mounting method         inserted, screwed           Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN <t< td=""><td>Side 1</td><td></td></t<>	Side 1	
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal ∅) 10 mm  Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Side 2  Tightening torque 0,4 Nm Mounting method inserted, screwed  Family construction form M8  Thread M8 x 1 suitable for corrugated tube (internal ∅) 6,5 mm  Coding A Material PUR Width across flats SW9  Commercial data  ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27060311 ECLASS-11.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 EC001855 customs tariff number 85444290 GTIN 4065909012802	Tightening torque	0,6 Nm
Thread         M12 x 1           suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	Mounting method	inserted, screwed
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Coding         A           Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	Thread	M12 x 1
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	suitable for corrugated tube (internal Ø)	10 mm
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Side 2         IP65, IP66K, IP67           Tightening torque         0,4 Nm           Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECIM-5.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	Material	PUR
Side 2         Tightening torque       0,4 Nm         Mounting method       inserted, screwed         Family construction form       M8         Thread       M8 x 1         suitable for corrugated tube (internal Ø)       6,5 mm         Coding       A         Material       PUR         Width across flats       SW9         Commercial data         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Width across flats	SW13
Tightening torque 0,4 Nm  Mounting method inserted, screwed  Family construction form M8  Thread M8 x 1  suitable for corrugated tube (internal Ø) 6,5 mm  Coding A  Material PUR  Width across flats SW9   Commercial data  ECLASS-6.0 27279218  ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-12.0 27060311  ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4065909012802	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Mounting method         inserted, screwed           Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	Side 2	
Family construction form         M8           Thread         M8 x 1           suitable for corrugated tube (internal Ø)         6,5 mm           Coding         A           Material         PUR           Width across flats         SW9           Commercial data         ECLASS-6.0           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-15.0         EC01855           customs tariff number         85444290           GTIN         4065909012802	Tightening torque	0,4 Nm
Thread       M8 x 1         suitable for corrugated tube (internal Ø)       6,5 mm         Coding       A         Material       PUR         Width across flats       SW9         Commercial data         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Mounting method	inserted, screwed
Suitable for corrugated tube (internal ∅)       6,5 mm         Coding       A         Material       PUR         Width across flats       SW9         Commercial data         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Family construction form	M8
Coding         A           Material         PUR           Width across flats         SW9           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-15.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	Thread	M8 x 1
Material         PUR           Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-15.0         EC001855           customs tariff number         85444290           GTIN         4065909012802	suitable for corrugated tube (internal Ø)	6,5 mm
Width across flats         SW9           Commercial data         27279218           ECLASS-6.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-15.0         27060311           ECLASS-10.0         27060311	Coding	A
Commercial data         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Material	PUR
ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Width across flats	SW9
ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	Commercial data	
ECLASS-8.0       27279218         ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	ECLASS-6.0	27279218
ECLASS-9.0       27060311         ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	ECLASS-7.0	27279218
ECLASS-10.1       27060311         ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	ECLASS-8.0	27279218
ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	ECLASS-9.0	27060311
ECLASS-12.0       27060311         ETIM-5.0       EC001855         customs tariff number       85444290         GTIN       4065909012802	ECLASS-10.1	27060311
ETIM-5.0 EC001855  customs tariff number 85444290  GTIN 4065909012802	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4065909012802	ECLASS-12.0	27060311
GTIN 4065909012802	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1	GTIN	4065909012802
	Packaging unit	1



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Departing voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical Additional condition protection degree Collution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data Coating locking Coating of fitting Material gasket Locking material	50 V 60 V 30 V 30 V 4 A inserted, screwed 3 1,5 kV I		
Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical  Additional condition protection degree Pollution Degree Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	30 V 4 A  inserted, screwed 3 1,5 kV I  Nickeled nickel plated		
Operating voltage DC (UL-listed) Current operating per contact max.  Device protection   Electrical  Additional condition protection degree Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	30 V 4 A inserted, screwed 3 1,5 kV I Nickeled nickel plated		
Current operating per contact max.  Device protection   Electrical  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)	inserted, screwed  3  1,5 kV  I  Nickeled nickel plated		
Device protection   Electrical  Additional condition protection degree  Pollution Degree  Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	inserted, screwed  3 1,5 kV I Nickeled nickel plated		
Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking Coating of fitting Material gasket Locking material	3 1,5 kV I Nickeled nickel plated		
Pollution Degree Rated surge voltage Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	3 1,5 kV I Nickeled nickel plated		
Rated surge voltage  Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	1,5 kV I Nickeled nickel plated		
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	Nickeled nickel plated		
Mechanical data   Material data  Coating locking  Coating of fitting  Material gasket  Locking material	Nickeled nickel plated		
Coating locking Coating of fitting Material gasket Locking material	nickel plated		
Coating of fitting  Material gasket  Locking material	nickel plated		
Material gasket Locking material	· · · · · · · · · · · · · · · · · · ·		
ocking material			
<u> </u>	FKM		
Material screw connection	Zinc die-casting		
	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			
•	District the connectors by suitable managers from machanical leads of a by the usage of coble tice		
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 c endangered by excessive bending forces.		
Conformity			
Product standard	DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)		
Installation   Cable			
·	•••		
Cable identification	630		
Cable Type	3		
Jacket Color	black		
Type of Certificate	cURus		
Amount stranding	1		
Stranding	3 wires twisted		
wire arrangement	brown, black, blue		
Cable weigth	26,4 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)	4,1 mm		
Tolerance outer diameter (sheath)	± 5 %		
Material wire insulation	PP		
Amount wires	3		
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) Diameter of single wires	0,1 mm		

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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Conductor crosssection (wire)	0,25 mm²	
Material conductor wire	Stranded copper wire, bare	
Conductor type (wire)	strand class 6	
Traversing distance (C-track)	10 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	79 Ω/km @ 20 °C	
AC withstand voltage (wire - wire)	2,5 kV @ 60 s	
Power frequency withstand voltage (wire - jacket)	2,5 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	
UV resistance	DIN EN ISO 4892-2 A	
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	
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)	10 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	