

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

PUR 5x0.34 shielded bk UL/CSA+drag ch. 30m

M12, 5-pole Female straight shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

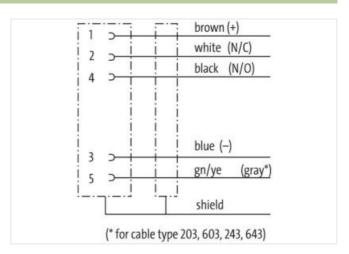
The resistance to aggressive media should be individually tested for your application. Further details on request.

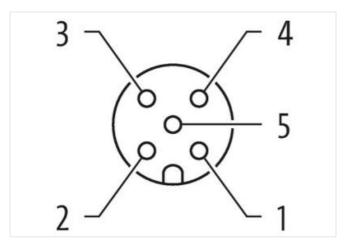
Further cable lengths on request.

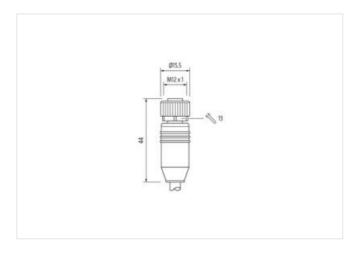
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

30 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

Family construction form  M12 Trinead  M13 Trinead  M14 Trinead  M15 Trinead  M16 A Makerial  PUR  PUR  PUR  PUR  PUR  PUR  PUR  PU	Mounting method	inserted, screwed
Tread		<del>`</del>
Code of the Code		
Decision   Pure   Pur		
Meered         PUR           Wirdin across Teates         SW13           Subreguer of protection (EN IEC 80529)         IP55, IP66K, IP67           Sible 2         SUPPOPURE OF TEATES (SUPPOPURE OF TEATES)           Commercial data         Commercial data           ECLASS 6.0         27278218           ECLASS 7.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         2706311           ECLASS 9.1         2706311           ECLASS 9.2         2706311		<del>-</del>
Width across flate         SW13           Degree of procesion (EN ICC 60529)         IPBS, IPG6K, IPS7           Stripping length (jacker)         20 mm           Commercial date           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27290311           ECLASS 9.1         27080311           ECLASS 1.1         27080311           ECLASS 1.2.0         27080311 <td></td> <td></td>		
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Sible 2         Sible 2           Sible 3         Sible 3           Sible 40         Sible 3           Stripping length (jacker)         20 mm           Commercial data         Commercial data           ECLASS 7.0         27279218           ECLASS 8.0         27900311           ECLASS 1.1         27000311           ECLASS 1.2.1         27000311           ECLASS 1.2.0         27000311           ECLASS 1.2.0         27000311           ETIM 5.0         EC001855           Sustions traff number         8544290           STIN         4048678142810           Peackagong unit         1           Electrical data (Supply)           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC dul. isteed)         30 V           Operating voltag		
Side 2           Sifting ing langth (sacken)         20 mm           Commercial data         Commercial data           ECLASS-7.0         2779218           ECLASS-7.0         2779218           ECLASS-8.0         2779218           ECLASS-9.0         277060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           Eclassical Commender         60 V           Operating vallage AC (UL-Isted)         30 V           Operating vallage		
Stripping langth (lackval)		1P65, 1P66K, 1P67
Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-8.0         27050311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           sustons sarff number         85444290           GTIN         4048879412810           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (max.         60 V           Operating voltage AC (U-lised)         30 V           Gender         Max (Lised)         30 V           Operating tex	Side 2	
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0.1         27000311           ECLASS-10.1         27000311           ECLASS-11.2         27000311           ECLASS-12.0         27000311           ECLASS-13.0         EC01855           sustoms farif number         85444290           OTTN         4048879412810           Packaging unit         1           Electrical datal Suppty           Operating voltage AC max.         60 V           Operating voltage AC (U-listed)         30 V           Operating voltage DC (U-listed)         30 V           Operating voltage DC (U-listed)         30 V           Operating softing pc contact max.         4 A           Installation [Connection         Simpling length (isckel)           Simpling length (isckel)         20 mm           Mounting sot         M12 x 1           Gender         female           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         1,5 kV           Additional for protection degree         without           Contact of tax	Stripping length (jacket)	20 mm
ECLASS-7.0 27279218  ECLASS-8.0 27279218  ECLASS-10.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ECLASS-11.1 27060311  ETM-5.0 ECDASS-11.1 27060311  ETM-5.0 ECDASS-11.1 27060311  ETM-5.0 ECDASS-12.0 27060311  ELECTICAL STAIR TUMBER B5444290  GTIN 4048879412810  Packaging unit 1.1  ELECTICAL STAIR TUMBER B5444290  GTIN 4048879412810  Packaging unit 1.1  ELECTICAL STAIR TUMBER B5444290  GOPERATING VOITED ACT MARK B6 0 V  Operating voltage AC max. 60 V  Operating voltage AC max. 60 V  Operating voltage AC (LL-listed) 30 V  Operating voltage AC (LL-listed) 30 V  Current operating per contact max. 4 A  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  Ralade suge voltage 1,5 kV  Material screy (LE-C60641) 1  Mochanical data   Material data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated hose without  Machanical data   Material data  Contour for corrugated hose without  Machanical data   Mounting data  Muchanical data   Mounting data  Muchanical data   Mounting data  Mounting method inserted, screwed. Shaking protection  Environmental characteristics   Climatic  Deperating temperature min. 25 °C  Operating temperature min. 85 °C  Additional condition temperature range depending on cable quality	Commercial data	
ECLASS-8.0 27279218  ECLASS-9.0 27060311  ECLASS-1.1 27060311  ECLASS-1.2 27060311  ELECTIM-5 5 EC01855  austoms tariff rumber 85444290  GTITN 4048879412810  Parakaging unit 1  Electrical data   Supply  Operating voltage DC max. 60 V  Operating voltage DC (UL-listed) 30 V  Operating voltage Inserted Screwed Pollution Degree 3 Rated surge voltage inserted. Screwed Pollution Degree 3 Seated Screwed Inserted Screwed Inserte	ECLASS-6.0	27279218
ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27080311 ECLASS-12.0 27080311 ECLASS-12.0 ECO01855 ECLASS-12.0 ECO01855 ECLASS-12.0 ECO01855 ECLASS-12.0 ECCO01855 ECLASS-12.0 ECCO0185 ECLASS-12.0 ECCO01855 ECLASS-12.0 ECCO01855 ECLASS-12.0 ECCO0185 ECLASS-12.0 ECCO01855 ECLASS-12.0 ECCO01855 ECLASS-12.0 ECCO0185 ECLASS-12.0 ECCO01855 ECCASS-12.0 ECCO01855 ECCASS-12.0 EC	ECLASS-7.0	27279218
ECLASS-10.1 27060311 ECLASS-11.2 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855  uustoms tariff number 85444290 GTIN 4048879412810 Packaging unit 1  Electrical data   Suppty  Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 40 V Operating voltage AC (	ECLASS-8.0	27279218
EGLASS-1.1.1         27060311           EGLASS-12.0         27060311           EGLASS-12.0         27060311           ETIMI-5.0         ECO01855           customs tariff number         85444290           GTIN         4048879412810           Packaging unit         1           Electrical data   Suppty           Operating voltage AC max.           Operating voltage DC max.         60 V           Operating voltage DC WL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage per contact max.         4 A           Installation   Connection           Stripping length (facket)         20 mm           Mounting set         M12 x 1           Gender         Iremale           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Additional condition protection degree         inserted, screwed           Control or corrupated hose	ECLASS-9.0	27060311
ECILAS-12.0         27060311           ETIM-5.0         EC001855           usustoms tarif number         85444290           GTIN         4046879412810           Packaging unit         1           Electrical data   Supply         Usustoms tarifundate   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 port 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)         1           Mechanical data         Without           Mechanical data   Material data         Control or for corrugate hose without           Mechanical data   Material data         Zinc die-casting           Mechanical data   Mounting data         inserted, scre	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879412810           Packaging unit         1           Electrical data   Supply         Voperating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating per 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)         I           Mechanical data         I           Control for corrugated hose         without           Mechanical data   Meterial data         I           Coating folking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         zinc die-casting	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4048879412810           Packaging unt         1           Electrical data   Supply           Operating voltage AC 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         V           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Gender         female           Pevice protection   Electrical           Additional condition preterioral           Material group (IEC 60664-1)         1           Mechanical data           Mechanical data           Mechanical data   Material data           Conting locking         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mechanical data   Mounting data           Mechanical data   Mounting data           Mounting empera	ECLASS-12.0	27060311
STIN 4048879412810 Packaign unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC (UL-listed) 30 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 60664-1) I  Mochanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Zinc die-casting  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 min. 25 °C  Operating temperature max. 46 °C  Additional condition temperature range depending on cable quality	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC (IUL-listed) 30 V  Operating voltage DC (IUL-listed) 30 V  Operating voltage DC (IUL-listed) 30 V  Operating voltage PC (IUL-listed) 30 V  Operating voltage PC (IUL-listed) 30 V  Operating voltage PC (IUL-listed) 30 V  Our operating per contact max. 4 A  Installation   Connection  Stripping length (jackel) 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) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material in inserted, screwed, Shaking protection  Mechanical data   Munting data  Mechanic	customs tariff number	85444290
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  Operating voltage DC (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  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   Material data  Contour for corrugated hose without  Mechanical data   Material data  Coating of fitting nickel plated  Locking material 2 inc die-casting  Material screw connection 2 incerted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature mix. 25 °C  Operating temperature max. 46 V	GTIN	4048879412810
Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage AC (UL-listed)         30 V           Ourrent 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 make a surge voltage without surge and loss without surge an	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         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)         1           Mechanical data         Virtual of the control of corrugated hose           Contour for corrugated hose         without           Mechanical data   Material data           Coating locking         nickel plated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic <td< td=""><td>Electrical data   Supply</td><td></td></td<>	Electrical data   Supply	
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         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)         1           Mechanical data         Virtual of the control of corrugated hose           Contour for corrugated hose         without           Mechanical data   Material data           Coating locking         nickel plated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Meterial screw connection         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic <td< td=""><td>Operating voltage AC max.</td><td>60 V</td></td<>	Operating voltage AC 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 Gender lemale  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  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Methanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Locking temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality		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  Gender temale  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  Coating of fitting nickel plated  Locking material Zinc die-casting  Material growe connection zinc die-casting  Mechanical data   Mounting data  Methanical data		30 V
Current operating per contact max.         4 A           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           Meterial group (IEC 60664-1)         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           Coperating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality		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 60664-1) I Contour for corrugated hose without  Mechanical data   Material data  Coating locking inserted in sickel plated  Locking material cornection included inserted inserted, screwed, shaking protection  Mechanical data   Material data  Coating locking inserted, screwed, shaking protection  Mechanical data   Material data  Coating locking inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deparating temperature min. 45 °C  Operating temperature max. 45 °C  Additional condition temperature range depending on cable quality		4 A
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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated Locking material  Locking material  Methanical data   Mounting data  Mechanical data   Mounting data  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		
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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated Locking material  Locking material  Methanical data   Mounting data  Mechanical data   Mounting data  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	Stripping length (jacket)	20 mm
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  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking 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 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  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	Gender	female
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  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	Device protection   Electrical	
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 locking 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	•	
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 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 Additional condition temperature range depending on cable quality		
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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		ı
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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	Mechanical data   Material data	
Locking material  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	Coating locking	Nickeled
Material screw connection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  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.  -25 °C  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	Operating temperature max.	85 °C
	Additional condition temperature range	depending on cable quality
	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: 2024-05-17



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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	643
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	5 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (type)	80 %
Banding	Fleece, Foil
Filler	· · · · · · · · · · · · · · · · · · ·
wire arrangement	yes
Cable weigth	brown, black, blue, white, gray  57,2 g/m
<u> </u>	PUR
Material jacket	90 ± 5 Shore A
Shore hardness jacket	
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,6 mm
Folerance 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
ngredient 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
JV resistance	DIN EN ISO 4892-2 A
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
Dil resistance	DIN EN 60811-404   Good, application-related testing
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	