

## M12 female 90° A-cod. with cable

PUR 3x0.34 bk UL/CSA+drag ch. 3.5m

Female 90° M12, 3-pole

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

with cable sleeves

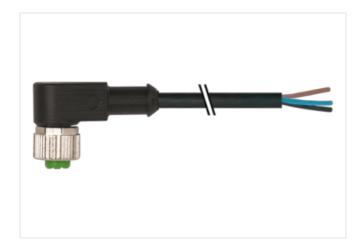
Plastic housings with good resistance against chemicals and oils.

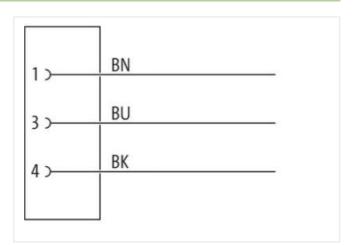
The resistance to aggressive media should be individually tested for your application. Further details on request.

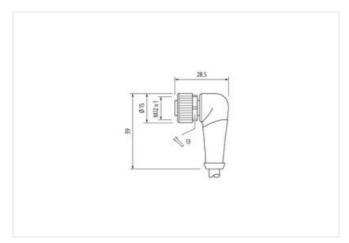
Further cable lengths on request.

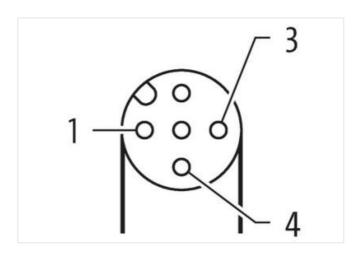
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

3,5 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: 2024-06-26



Family construction form         M12 x 1           Invested         M12 x 1           Stables for consigned fulse (internal 0)         10 mm           Coding         A           Material         PUR           No. of poles         3           Width across falls         SW3           Degree of protection (EN IEC 60829)         PES, IP66K, IP67           Stage 2           Commercial data           ECLASS-6.0           C27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.1         27069311           ECLASS-1.1         27069311           ECLASS-1.2         27069311           ECLASS-1.1         27069311           ECLASS-1.1         27069311           ECLASS-1.1         27069311           ECLASS-1.2.0         27089311           ETM-5.0         EC001855           Called In under         8544290           GTN         4048878780254           Packaging unit         1           Electrical data Supply           Coperating voltage DC Clust. Isseed         250 V <th>Mounting method</th> <th>inserted, screwed</th>	Mounting method	inserted, screwed	
Thread		· · · · · · · · · · · · · · · · · · ·	
suitable for corrugated tube (internal 0) 10 mm Cocting A A Material PUR No. of poles 3 S Opriose of protection (EN IEC 60529) IPSS, IP66K, IP67  Side 2  Commercial data  ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 2709311 ECLASS-1.1 27093311 ECLASS-1.1 27093			
Coding         A           Material         PUR           Material         PUR           Widh across flats         SWI3           Degree of protection (R NEC 8059)         1P65, IP64, IP67           Side 2           Streping length (tacker)         20 mm           Commercial (tacker)           Commercial (tacker)           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-0.0         27279218           ECLASS-1.1         27060311           ECLASS-1.1         27060311 <th co<="" td=""><td></td><td></td></th>	<td></td> <td></td>		
No. of poles         3           Width across falses         W13           Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Side 2           Stripping length (lacker)         20 mm           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.1         27060311           ECLASS-1.2.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.0         27060311           ECLASS-1.1         27060311           ECLASS-1.0         2006031           CLASS-1.0         2006031           ECLASS-1.0         2000185           custom tariff number         68444290           GTIM         4048873780254           Packaging und         1           Electrical data   Supply           Operating voltage AC (ILL-itexted)         30 V           Operating voltage AC (ILL-itexted)         30 V <td></td> <td>A</td>		A	
Width across flats         SWI3           Dagree of protection (EN IEC 60529)         PB6, IP60K IP67           Siripping length (jacker)         20 mm           Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         227279218           ECLASS 8.0         277600311           ECLASS 9.0         27060311           ECLASS 1.1.1         27060311           ECLASS 1.2.0         27060311           ETM 5.0         ECO01855           customs staff number         85444290           GTIN         404897870254           Packaging unit         1           Electrical data I Supply           Operating voltage AC max         250 V           Operating voltage AC (Cl. Islaed)         30 V           Operating voltage AC (Cl. Islaed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Rated supe voltage         2,5 kV           Material group   Electrical Goode+1         1           Material group   Electrical data   Materia	Material	PUR	
Degree of protection (EN IEC 80529)	No. of poles	3	
Side 2           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27090311           ECLASS-10.1         27090311           ECLASS-11.1         27090311           ECLASS-11.1         27090311           ECLASS-12.0         27090311           ETIM-5.0         EC01855           usborn staff number         6844290           GTIN         404879780254           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating porting flacketh         20 mm           Mounting set         M12 x 1           Device protection   Electrical A	Width across flats	SW13	
Stripping length (jacket)   20 mm	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 9.0         27279218           ECLASS 9.0         27090311           ECLASS 9.0         27090311           ECLASS 1.1         27090311           ECLASS 1.2.0         27090311           ECLASS 1.2.0         27090311           ECLASS 1.2.0         ECOMBS 5           customs tariff number         8544290           GTIN         4048979780254           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.           250 V           Operating voltage AC (IU-listed)         30 V           Operating longth (jacket)         20 mm           Mounting set         M12 t           Peuice protection   Electrical         Active (II-listed)           Additional condition protection degree         inserted	Side 2		
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-11.1 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ETIM-5.0 ECO1855 customs tariff number 8444290 GTIN 4048879780254 Packagn unit 1  Electrical data [Supply Operating voltage AC max. 250 V Operating voltage AC max. 250 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Current operating per contact max. 4 A  Installation [Connection  Stripping length (jacket) 30 V  Device protection [Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage AC (UL-listed) 1  Mechanical data   Material data  Coasing of fitting nickel plated  Coasing of fitting nickel plated  Coasing of fitting nickel plated  Lockeng material 2 inc die-casting  Mechanical data   Munting data  Mounting method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic  Dievating method inserted, Screwed, Shaking protection  Environmental characteristics   Climatic  Dievating methoral min. 425 °C  Operating pemperature min. 425 °C  Operating bemperature min. 425 °C  Additional condition temperature range depending on cable quality	Stripping length (jacket)	20 mm	
ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1         27060311           ECLASS 9.1         27060311           ECLASS 9.2         27060311           ETIM 5.0         EC001855           customs tariff number         85444290           GTIN         40487970254           Packaging unit         1           Electrical data   Supply           Operating voltage DC max         250 V           Operating voltage DC max         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max         4 A           International per contact max         4 A           Number of per contact max         4 A           International per contact max         4 A           Number of per contact max         4 A           International per contact max         4 A           Number of per contact max         4 A           Per colspan="2">Per colspan="2">Per colspan="2">Per colspan="2">Per colspan="2">Per colspan="2">Per colspan="2">Per colsp	Commercial data		
ECLASS-8.0         27279218           ECLASS-9.0         27660311           ECLASS-10.1         27660311           ECLASS-11.1         27060311           ECLASS-12.0         27660311           ECLASS-12.0         E0001855           customs tariff number         65444290           GTIN         4048879780254           Packaging unit         1           Electrical data   Suppty           Operating voltage AC max.         250 V           Operating voltage AC (ILL-isted)         30 V           Operating voltage DC max.         250 V           Operating voltage DC (IL-isted)         30 V           Operating voltage DC (IL-isted)         30 V           Operating per contact max.         4 A           Installation   Connection           Stripping length (lacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Mounting data           Mounti	ECLASS-6.0	27279218	
ECLASS -0.0   27060311   270603	ECLASS-7.0	27279218	
ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879780254           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Stripping length (jackel)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2.5 kV	ECLASS-8.0	27279218	
ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-S.0         ECO01855           customs tariff number         85444290           GTIN         4048879780254           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mix 1           Bevice protection   Electrical         Additional condition protection degree           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group [EC 60684-1)         I           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Z	ECLASS-9.0	27060311	
ECLASS-12.0         27060311           ETIMS-0         EC001855           customs tariff number         85444290           GTIN         4048879780254           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data	ECLASS-10.1	27060311	
ETIM-5.0 EC001855 customs tariff number 8544290 GTIN 4048879780254 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V Operating voltage AC max. 250 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  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage 2, 5kV Material group (IEC 80664-1)   I  Mechanical data   Material data  Coating of fitting nickel plated Locking material 2 inc die-casting  Material screw connection 2 inserted, screwed, Shaking protection  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatics    Environmental characteristics   Climatics    Environmental characteristics   Climatics    Berofice of cable quality  depending on cable quality	ECLASS-11.1	27060311	
customs tariff number 85444290 GTIN 4048879780254 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC max. 250 V  Operating voltage AC [UL-listed) 30 V  Operating voltage AC [UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (UL-listed) 4A  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 2,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating looking Nickeled  Coating offiting 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  Environmental characteristics   Climatic  Coperating temperature max. 85 °C  Additional condition temperature maxe depending on cable quality	ECLASS-12.0	27060311	
GTIN	ETIM-5.0	EC001855	
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 250 V  Operating voltage AC (max. 250 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  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) 1  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material proup (IEC 60664-1) I i inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality	customs tariff number	85444290	
Committee   Comm	GTIN	4048879780254	
Operating voltage AC max. 250 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  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) 1  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	Packaging unit	1	
Operating voltage DC max.   250 V	Electrical data   Supply		
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  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking Nickeled Coating locking Nickeled 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	Operating voltage AC max.	250 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 2,5 kV  Material group (IEC 60684-1) I  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	Operating voltage DC max.	250 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 2,5 kV  Material group (IEC 60664-1) I  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	Operating voltage AC (UL-listed)	30 V	
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 2,5 kV  Material group (IEC 60664-1) I  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	Operating voltage DC (UL-listed)	30 V	
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 2.5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  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	Current operating per contact max.	4 A	
Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  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	Installation   Connection		
Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  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	Stripping length (jacket)	20 mm	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  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	Mounting set	M12 x 1	
Pollution Degree 3 Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  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	Device protection   Electrical		
Rated surge voltage 2,5 kV  Material group (IEC 60664-1) I  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	Additional condition protection degree	inserted, screwed	
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	Pollution Degree	3	
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	Rated surge voltage	2,5 kV	
Coating locking  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	Material group (IEC 60664-1)	1	
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 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.  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		
Additional condition temperature range depending on cable quality	Operating temperature min.	-25 °C	
	Operating temperature max.	85 °C	
Important installation notes	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 strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	



Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces.

Troto on bonding radias	endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
	harring blads bliss
wire arrangement	brown, black, blue
Cable Type	633 3
Cable Type	
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 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)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min