

## M12 female 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 1.5m

Female straight M12, 4-pole

with cable sleeves

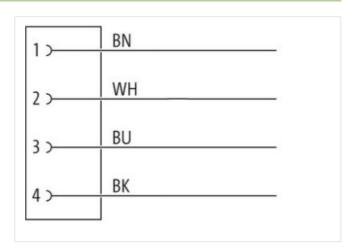
Plastic housings with good resistance against chemicals and oils.

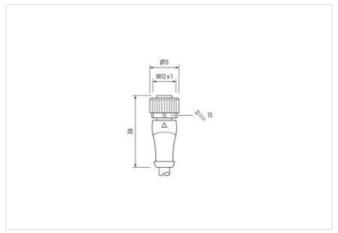
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

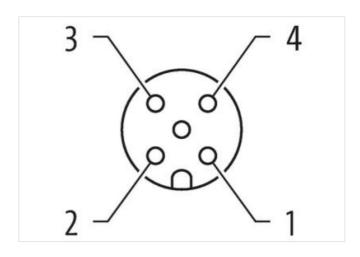
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

1,5 m

Side 1

Tightening torque 0,6 Nm



stay connected

Thread	Mounting method	inserted, screwed
suitable for corrugated tube (internal Ø)         10 mm           Coding         A           Material         PUR           Wich across fast         SW13           Degree of protection (EN IEC 60529)         IP65, IP67, IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-70         27279218           ECLASS-8.0         27279218           ECLASS-9.1         27060311           ECLASS-9.0         27060311           ECLASS-11         27060311           ECLASS-12.0         27060311	Family construction form	M12
Coding         A           Moderal         PUR           Worth across flates         SW13           Degree of protection (EN IEC 60529)         IPSE, IPG6C, IP67           Commercial data         ECLASS-8.0         27279218           ECLASS-7.0         27279218         27279218           ECLASS-9.0         27040311         27040311           ECLASS-9.0         27040311         27040311           ECLASS-12.0         27040311         27040311           ECLASS-1	Thread	M12 x 1
Matter         PUR           Worth across friets         SW13           Commercial data         EPSC, IPSGK, IPSC           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27090311           ECLASS-9.1         27090311           ECLASS-10.1         27090311           ECLASS-12.0         27090311           ECLASS-12.1         27090311           ECLASS-12.0         27090311           ECHASS-12.0         309 V           Operating voltage DC Max.         250 V           Operating voltag	suitable for corrugated tube (internal Ø)	10 mm
Width across fiats         SW13           Degree of protection (EN IEC 60529)         IPSE, IPS6K, IPS7           Commercial date         Feb. (IPS6K, IPS7)           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2779318           ECLASS-9.0         27690311           ECLASS-11.1         27660311           ECLASS-12.0         27600311           ECLASS-12.0         27600311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           COLASS-12.0         27060311           COLASS-12.0         27060311           COLASS-12.0         27060311           ECLASS-12.0         27060311           COLASS-12.0         27060311           ECLASS-12.0         27070311           COLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           ECLASS-12.0         27070311           Packagoria         1	Coding	A
Degree of protection (EN IEC 60528)         IP65, IP66K, IP67           Commercial data         Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.1         27060311           ECLASS-12.0         27080311           ECLASS-12.0         E001855           ETIM-5.0         E001855           Controlled of Immercial mumber         8544290           GTIN         4048878212144           Peckaging unit         1           Electrical data   Supply         Peraing vallage DC max.           Operating vallage DC max.         250 V           Operating vallage DC max.         4 A           Installation   Connection         Mile X 1           Device protection   Electrical         Additional condition protection degree         Installation   Connection   Electrical           Additional condition protection degree         Installation   Connection   Electrical         Additional   Condition protection   Electrical           Conting (Locking protection	Material	PUR
Commercial data           ECLASS-8.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27090311           ECLASS-9.1         27090311           ECLASS-1.1         27090311           ECLASS-1.2.0         27090311           ETIM-5.0         ECO01855           customs tariff number         68444280           GIN         408879212144           Packaging unit         1           Electrical data I Supply         February           Operating voltage AC max         250 V           Operating voltage AC (PLI-sted)         30 V           Operating voltage AC (PLI-sted)         30 V           Operating voltage AC (PLI-sted)         30 V           Current operating per contact max.         4 A           Installation Connection         M12 x 1           Perating voltage AC (PLI-sted)         30 V           Pollution Degree         3           Rated surge voltage         2.5 kV           Malerial group (EC 6064-1)         1           Problishin Degree         3           Rated surge voltage         2.5 kV           Machanical data [Material data:         Vinc die-casting           Mechanical data [Material data:	Width across flats	SW13
ECIASS 6.0         27279218           ECIASS 7.0         27279218           ECIASS 8.0         27279218           ECIASS 9.0         27060311           ECIASS 9.1.1         27060311           ECIASS 9.1.1         27060311           ECIASS 9.1.1         27060311           ECIASS 9.1.0         27060311           ECIASS 9.0         27060311           EVERTION 9.0         280           Operating woltage DC (ML idea)         30 V           Operating voltage DC (ML idea)         30 V           Operating voltage DC (ML idea)         30 V           Evertion 1 Electrical         M12 X 1	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 8.0         27278218           ECLASS 8.0         2778018           ECLASS 9.0         27060311           ECLASS 10.1         27060311           ECLASS 11.2         27060311           ECLASS 12.0         27060311           ECLASS 12.0         27060311           ETIM-5.0         ECO01855           Customs faulf number         8544290           GTIN         4048879212144           Packaging unit         1           Electrical datal Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Cerrent operating per contact max.         4 A           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Device protection   Electrical           Additional condition protection degree         3           Rated surge voltage         2,5 kV           Mountains grow (IEC 666641)         I           Material group (IEC 666641)         I           Material group (IEC 666641)         I           Material scow connection         Zinc die-casting           Material data   Mounting data         Imperiate casting           Material data   M	Commercial data	
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         ECO19855           customs tarff rumber         8544289           GTIN         4048878212144           Packaging unit         1           Fectrical data   Supply         1           Perating voltage DC max.         250 V           Operating voltage DC max.         250 V           Powerating per contact max.         4A           Actional Connection         150 K           Matical Scalage Voltage D	ECLASS-6.0	27279218
ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM 5.0         EC001985           Leatons talff umber         85444290           GTIN         4048879212144           Packaging unit         1           Electrical data [Suppty         February (Company or Company	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879212144           Packaging unit         1           Electrical data   Supply         February           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (U-listed)         30 V           Current operating per contact max.         4 A           Installation   Connectom         M12 1           Device protection   Electrical         M2 1           Device protection   Electrical         M3 1           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         2,5 kV           Coating ocking         Nickolod           Coating ocking         Nickolod           Coating ocking         Nickolod           Coating ocking         Nickolod ceasing           Mechanical data   Mounting data         Vac deceasing           Mechanical data   Mounting data         Vac deceasing           Mechanical data   Mounting data <td>ECLASS-8.0</td> <td>27279218</td>	ECLASS-8.0	27279218
ECLASS-1.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           customs tariff number         85444290           GTIN         4048873212144           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         Was a Connection           Mounting set         M12 x 1           Pevice protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684-1)         1           Mechanical data   Material data         2,5 kV           Coating locking         Nickeled           Coating of Itimg         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Poreating temperature min.         25 °C     <	ECLASS-9.0	27060311
ECILASS-12-0         27060311           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879212144           Packaging unit         1           Electrical data   Supply         Usual Company (Parameter Parameter Param	ECLASS-10.1	27060311
ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048879212144           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 X 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Pollution Degree         3           Rated surge voltage         2,5 kV           Material group (IEC 60684+1)         I           Mechanical data   Material data           Coating locking         Nickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting	ECLASS-11.1	27060311
customs tariff number         85444290           GTIN         4048879212144           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         MI2 x 1           Device protection   Electrical         MI2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV           Material grow (IEC 60664-1)         1           Installation   Coding (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating of litting         nickele plated           Locking material         Zinc die-casting           Meterial screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature mix.         25	ECLASS-12.0	27060311
GTIN         4048879212144           Packaging unit         1           Electrical data   Supply         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Operating voltage pc contact max.         4 A           Installation   Connection         Mult x 1           Mounting set         M12 x 1           Polition Degree         inserted, screwed           Polition protection protection protection degree         inserted, screwed           Pollution pergee         3           Rated surge voltage         2,5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating locking material         Zinc dis-casting           Material screw connection         Zinc dis-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         25 °C           Operating temperature min.         25 °C         Coperating temperature min.         60 °C           Operating temperature range         depen	ETIM-5.0	EC001855
Packaging unit         1           Electrical data   Supply         250 V           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           Operating voltage PC (UL-listed)         30 V           Oursent operating per contact max.         4 A           Installation   Connection         Webstallation   Connection           Mounting set         M12 x 1           Politicin Degree         3           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         Mickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Mechanical data   Mounting data           Environmental characteristics   Climatic         Cimatic           Operating temperature mix.         25 °C           Operating temperature max.         85 °C <td>customs tariff number</td> <td>85444290</td>	customs tariff number	85444290
Electrical data   Supply Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC max. 250 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4 A Installation   Connection  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  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  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  Important installation notes  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 endangered by excessive bending forces.  Contormity  Product standard  DIN EN 61076-2-101 (M12)	GTIN	4048879212144
Operating voltage AC max. 250 V Operating voltage DC max. 250 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Oursent operating per contact max. 4 A Installation   Connection Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 2,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking 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 min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Packaging unit	1
Operating voltage DC 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         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 of lifting         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 main.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loa	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         Mul2 x 1           Mounting set         M12 x 1           Polius Degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         V           Coating locking         Nickeled           Coating locking         nickel plated           Locking material         Zinc die-casting           Mechanical data   Munting data         Zinc die-casting           Mechanical data   Munting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature max.           Additional condition temperature range         depending on cable quality           Important Installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Protect standard         DIN EN 61076-2-101 (M12)	Operating voltage AC max.	250 V
Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         Image: Content of Electrical           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         2.5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Image: Conting Indication of Indian Indianal Indi	Operating voltage DC max.	250 V
Installation   Connection  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  Coating of fitting nickel plated  Locking material 2 in die-casting  Material screw connection inserted, screwed, Shaking protection  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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)	Operating voltage AC (UL-listed)	30 V
Installation   Connection           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         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity	Operating voltage DC (UL-listed)	30 V
Mounting set M12 x 1  Pevice 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 date  Coating locking Nickeled  Coating locking 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. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: 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)	Current operating per contact max.	4 A
Peliution   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 crew connection 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  Environmental preparature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: 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   Connection	
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  Poperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: 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)	Mounting set	M12 x 1
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  Poperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: 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)	Device protection   Electrical	
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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)		inserted screwed
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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)		
Material group (IEC 60664-1)  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 min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: 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)		
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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)	5 5	
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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)		
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  Important installation notes  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 endangered by excessive bending forces.  Conformity  Product standard DIN EN 61076-2-101 (M12)	·	Nicholad
Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Vote on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: 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)		
Material screw connection  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  Important installation notes  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 endangered by excessive bending forces.  Product standard DIN EN 61076-2-101 (M12)		· · · · · · · · · · · · · · · · · · ·
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  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: 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)		
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: 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)		Zino die-odating
Derating temperature min.  Operating temperature max.  Operating temperature max.  Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius  Attention: 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)		incorded account Obelian autorian
Operating temperature min. Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: 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)		
Operating temperature max.  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: 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)		
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.  Attention: 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)		
Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: 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)		
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 endangered by excessive bending forces.  Conformity Product standard DIN EN 61076-2-101 (M12)		depending on cable quality
Note on bending radius  Attention: 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)	Important installation notes	
Conformity  Product standard  DIN EN 61076-2-101 (M12)	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-101 (M12)	Note on bending radius	
	Conformity	
Installation   Cable	Product standard	DIN EN 61076-2-101 (M12)
	Installation   Cable	

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: 2024-05-07



## stay connected

Cable in Type   3   3   3   3   3   3   3   3   3	Calala idantification	004
Jacket Cotor	Cable identification	634
Type of Certificate   CUPius		
Amount stranding         1           Stranding         4 wives twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weight         36.3 g/m           Material Jacket         PUR           Shore Andriness jacket         PUR           Freedom form incredients (jacket)         4.5 fmm           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (heath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance oure insulation         ± 5 %           Outer diameter tolerance oure insulation         ± 5 %           Impredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 3 Shore A           Outer diameter tolerance over insulation         4 ± 4 Shore A           Outer diameter tolerance wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D		
Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 mg 25 °C ( horizontal)           Cable weight         35.3 g/m           Matterial jacket         PUR           Shore hardness jackel         90.4 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Toferance outer drameter (sheath)         1.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm <tr< td=""><td></td><td></td></tr<>		
wire arrangement brown, black, blue, white  Traversing distance (C-track) 10 m @ 25 °C   horizontal  38.3 m  Material jackete PUR  Shore hardness jacket PER  Freedom from ingredients (gacket) 90 ± 5 Shore A  Freedom from ingredients (gacket) 4,5 mm  Tolerance outer diameter (jacket) 4,5 mm  Tolerance outer diameter (jacket) 15 °W  Material wire insulation PP  Amount wires 4  Cuter diameter insulation 12.5 mm  Outer diameter insulati		
Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cablo weight         36,3 g/m           Material Jocket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Cuber-dameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation		
Cable weight         36.3 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.5 mm           Tolerance unter diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         ± 5 mm           Outer diameter tolerance core insulation         ± 5 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor crosssection (vire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (vire)         stranded copper wire, bare           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 (standard)		
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)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness 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         Strand closps 6           Nominal voltage AC max         300 V           Nominal voltage AC max         300 V           Current load capacity standard         to DIN VDE C989-4           Current load capacity (standard)         to DIN VDE C989-4           Current load picky (wire)         2,5 kV @ 60 s           AC Withstand vollage (wire - jacket)		<del>`</del>
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter losarca core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,24 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Current load capacity min. wire         4,8 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 - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temper		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		<del>-</del>
Outer dameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         † 5 %           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 (ye (wire)         stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         4,8 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 - kinet)         80 °C / 90 °C@ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C@ 10000 h Operation           Operating temperature max. (dynamic)         25 °C     <		
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter Insulation         1,25 mm           Outer diameter Insulation         2 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         4,8 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 - wire)         2,5 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation		
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolorance 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         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (ixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature will (stand)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         Good, application-r		·
Amount wires         4           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 (wire)         strand class 6           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         Good, application-related testing           Oil resistance         Good, ap	Tolerance outer diameter (sheath)	
Outer diameter insulation         1,25 mm           Outer diameter toterance 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 (vice)         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 (slandard)         to DIN VDE 0298-4           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2,5 kV @ 60 s           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 - wire)         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 min. (dynamic)         80 °C / 90 °C @ 10000 h Operation		
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         4.8 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 - wire)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 489-2 2 A	Amount wires	4
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 (wire wire)         4,8 A           Electrical resistance line constant wire         57 Ω/m @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DINE NISO 4892-2 A           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil		·
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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 r0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - gistander) 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   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 10 × Outer diameter Fravel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		
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         4.8 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 - ajacket)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Fiame resistance         U. 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter	Shore hardness wire insulation	
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         4,8 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 - iacket)         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)         30 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter		
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         4.8 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 - alacket)         40 °C           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   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 × Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C		42
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         4,8           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 ispacket)         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   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing           Oil resistance         Good, application-related te	Diameter of single wires	0,1 mm
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 4,8 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 - acket) 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   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance Good, application-related testing  Oil 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	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 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 - aicket)         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   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, appl	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 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   IEC 60332-2-2   UL 1581 § 1100 FT2         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		strand class 6
Current load capacity min. wire       4,8 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   IEC 60332-2-2   UL 1581 § 1100 FT2         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		300 V
Electrical resistance line constant wire 57 \( \Omega / \text{C} \)  AC withstand voltage (wire - wire) 2,5 kV \( \omega / \text{0} \) s  Power frequency withstand voltage (wire - iacket) 2,5 kV \( \omega / \text{0} \) s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \omega / \text{10000 h Operation} \)  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \omega / \text{10000 h Operation} \)  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 \( \green \) 1090   IEC 60332-2-2   UL 1581 \( \green \) 1100 FT2  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. \( \omega \) 25 °C  No. of torsion cycles 2 Mio.  Torsion stress \( \pm \) ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  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   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil 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)  No. of torsion cycles  ± 180 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  No. of torsion cycles  ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil 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)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  No. of torsion cycles  ± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Min. operating temperature (static)	-40 °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   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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	UV resistance	DIN EN ISO 4892-2 A
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	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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	chemical resistance	Good, application-related testing
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	Gasoline resistance	Good, application-related testing
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	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min