

## M12 male 90° D-cod. with cable shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 30m

**Ethernet CAT5** Male 90° M12, 4-pole D-coded shielded

Transmission properties with channel transmission up to 100 m

Further cable lengths on request.

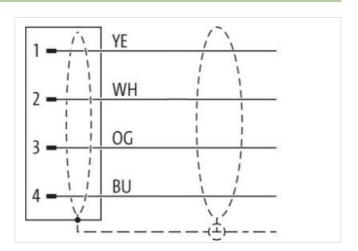
Plastic housings with good resistance against chemicals and oils.

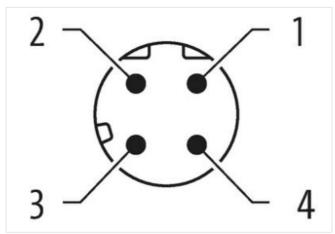
The resistance to aggressive media should be individually tested for your application. Further details on request.

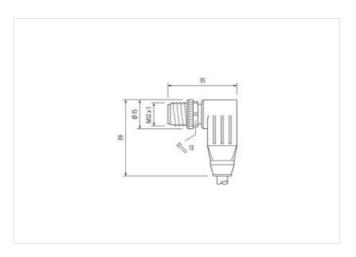
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

30 m



stay connected

| Mounting method         inserted, serewed           Family construction form         M12           Times         M12 x 1           Decing         D           Waterial         PUR           Width across flats         SW13           Burger of protection (EN IEC 60529)         1968, IP68, IP67           Stripping length (jacket)         20 mm           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27000007           ECLASS-7.0         27000007           ECLASS-8.0         27063007           ECLASS-8.0         27063007           ECLASS-1.1         27000007           ECLASS-1.2         270000007           ECLASS-1.3         270000007           ECLASS-1.1         270000007           ECLASS-1.1         270000007           ECLASS-1.1         270000007           ECLASS-1.2         270000007           ECLASS-1.3         ECOG0299           ususions tariff number         8544290           Salari         Machine           Poperating voltage DC max.         0.7           Coperating voltage DC max.         1.5 A           Industrial communication   | Side 1                                   |  |
|--|--|--|
| Family construction from M12 r 1 Transit Conting   | Tightening torque                        | 0,6 Nm   |
| Thread   | Mounting method                          | inserted, screwed                                |
| Decision    | Family construction form                 | M12  |
| Mare   PUR   Wind across floats   SW13   SW13   SW13   SW13   SW13   SW13   SW13   SW13   SW14   SW13   SW14   S   | Thread                                   | M12 x 1  |
| Worth across fals         SW13           Degree of priodotion (EN IEC 60529)         IPS6, IP66K, IP67           Silide 2         Stripping length (jacket)         20 mm           Commercial data           ECLASS 6.0         27069007           ECLASS 7.0         27060007           ECLASS 7.0         27060007           ECLASS 9.0         270600007           ECLASS 9.0         270600007  | Coding                                   |  |
| Peges of protection (EN IEC 80529)   | Material                                 |  |
| Side 2           Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27063307           ECLASS-7.0         27063307           ECLASS-8.0         27063307           ECLASS-9.0         27063307           ECLASS-9.0         27063307           ECLASS-11.1         27063307           ECLASS-12.0         27063037           ECLASS-12.0         27063307           ECLASS-12.0         27063007           ECLASS-12.0         27063007           ECLASS-12.0         27063007           ECLASS-12.0         27063007           ECLASS-12.0         27063007           ECLASS-12.0         27062007           ECLASS-12.0         27062007           ECLASS-12.  |  |  |
| Stripping length (jacket)   20 mm  | Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67                                |
| Commercial data           ECLASS-6.0         27061801           ECLASS-7.0         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           STIN         4048290           STIN         4048290 <td>Side 2</td> <td></td>   | Side 2                                   |  |
| ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 10.1         27060307           ECLASS 11.2         27060307           ECLASS 12.0         27060307           ECLASS 12.0         27060307           ECLASS 17.0         E0002599           Subtoms tariff number         85444290           STIN         4048879588713           Peckaging unit         1           Electrical data Supply           Operating voltage DC max.         60 V           Durrent operating per contact max.         1,5 A           Industrial communication         1           Undustrial communication         1           Undustrial communication   Ethernet functionality         1           Undustrial communication   Ethernet   | Stripping length (jacket)                | 20 mm  |
| ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.2 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 12000307 ECLASS-12.0 12000307 ECLASS-12.0 12000307 ECLASS-13.0 12000307 ECLASS-13.0 12000307 ECLASS-13.0 12000307 ECLASS-14.0 12000309 ECLASS-15.0 12000309 ECLASCAS-15.0 1200030 | Commercial data                          |  |
| ECLASS 7.0 27060307 ECLASS 8.0 27060307 ECLASS 9.0 27060307 ECLASS 10.1 27060307 ECLASS 11.1 27060307 ECLASS 11.1 27060307 ECLASS 11.1 27060307 ECLASS 11.1 27060307 ETIM-5.0 ECO02599  ustorns tariff number 85444290 GTIN 404887588713 Packaging unit 1  Electrical data   Supply  Deparating voltage DC max. 60 V  Current operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBN/s  Industrial communication   Ethernet functionality  Luplex Full duplex Full duplex  Installation   Connection  Stripping length (jacket) 20 mm  Mounting set Max 11 X 1  Mounting set Max 12 X 1  Mounting set Max 12 X 1  Mounting set Max 12 X 1  Mounting per length (jacket) 1  Methanical data   Mounting data  Water of corrupated hose without Mitout  Mechanical data   Material data Continued I Material data Condition of corrupated hose without Mechanical data   Material Screen of Stripping Incident of Incident Indicating Incident I Material Group (IEC 60604-1) 1  Mechanical data   Material data Condition of corrupated hose without Mechanical data   Material Screen of Stripping Incident I Material Group (IEC 60604-1) 2  Continue for corrupated hose without Mechanical data   Material Screen of Stripping Incident Indicating Indi | ECLASS-6.0                               | 27061801   |
| ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.1 27060307 ECLASS-1.2 27060307 ECLASS-1.0 ECLASS-1.0 1 27060307 ECLASS-1.1 1 27060307 ECL | ECLASS-6.1                               | 27060307   |
| ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC002599 sustoms tarff number 85444290 ETIM 4048879588713 Packaging unit 1 Electrical data   Supply  Operating voltage DC max. 66 V  Current operating per contact max. 1.5 A  Industrial communication  Transfer parameters CAT5. Class D (ISO/IEC 11801:2002), (EN 50173-1) Deate transmission rate max. 100 MB//s  Industrial communication   Ethernet functionality druplex Full duplex  Industrial communication   Ethernet functionality druplex Full duplex  Industrial communication   Ethernet functionality Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1)   I  Mechanical data    Mechanical data   Material data  Coating Offitting nickel pated  Coating of fitting nickel pated  Coating of fitting nickel pated  Locking material  Mechanical data   Mounting data  Meunting method inserted, screwed, Shaking protection   | ECLASS-7.0                               | 27060307   |
| ECLASS-10.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC002599           sustoms tariff number         85444290           GTIN         4048879588713           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Undustrial communication           Undustrial communication   Ethernet functionality           Unperating (packet)         Full duplex           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Addition protection degree         inserted, screwed           Pollution Degree         3           Read surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data           Mechanical data   Material data           Conting forcing and loss         without de-casting <td>ECLASS-8.0</td> <td>27060307</td>  | ECLASS-8.0                               | 27060307   |
| ECLASS-1.1.1         27060307           ECLASS-1.2.0         27060307           ECHASS-1.2.0         EC002599           Dustoms tariff number         85444290           STIN         4048879588713           Packaging unit         1           Electrical data   Supply         Uncertain overlaing per contact max.           Operating obligage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters           CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality           Upupex         Full duplex           Installation   Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rate stuge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating of litting         rick   | ECLASS-9.0                               | 27060307   |
| ECLASS-12.0         27060307           ETIM-5.0         EC002599           customs tariff number         85444290           GTIN         4048879588713           Packaging unit         1           Electrical data   Suppty           Operating yor lotage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet tunctionally           Luplex           Industrial communication   Ethernet tunctionally           Unperating type (jacket)           Full duplex           Industrial communication   Ethernet tunctionally           Unperating type (jacket)           Medicinal condition protection   Ethernet tunctionally           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Poliution Degree         3           Rated surge voltage         1,5 kV           Mechanical data <td>ECLASS-10.1</td> <td>27060307</td>   | ECLASS-10.1                              | 27060307   |
| ETIM-5.0         EC002599           zustoms tariff number         85444290           STIN         4048879588713           Packaging unit         1           Electrical data   Supply         Courrent operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Industrial communication           Transfer parameters         CATS, Class D (ISO/IEC 11801:2002), (EN 50178-1)           Data transmission rate max.         100 MBI/s           Industrial communication   Ethernet functionality         Full duplex           Industrial communication   Ethernet functionality         Full duplex           Industrial communication   Ethernet functionality         Full duplex           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         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Mickeled           Coating of litting         nickel plated           Locking material         Zinc die-casting           <  | ECLASS-11.1                              | 27060307   |
| customs tariff number         85444290           GTIN         4048879588713           Packaging unit         1           Electrical data   Supply           Durrent operating per contact max.         1,5 A           Current operating per contact max.         1,5 A           Industrial communication           Transfer parameters         CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBIt/s           Industrial communication   Ethernet functionallity           Industrial communication   Ethernet functionallity           Industrial communication   Ethernet functionallity           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         1,5 kV           Material grow (IEC 60664-1)         1           Mechanical data   Material data           Coating of fitting         Nickeled           Coating of fitting         nickel plated           Lo   | ECLASS-12.0                              |  |
| STIN   4048879588713   1   1   1   1   1   1   1   1   1   | ETIM-5.0                                 |  |
| Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         60 V           Current operating per contact max.         1,5 A           Industrial communication         Transfer parameters         CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBit/s           Industrial communication   Ethernet functionality           Industrial communication   Ethernet functionality           Use place   Function   Ethernet functionality           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         1,5 kV           Material group (IEC 60664-1)         I           Mechanical data         I           Contour for corrugated hose         without           Mechanical data   Material data         I           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Miceralical data   Mounting data <tr< td=""><td>customs tariff number</td><td></td></tr<>   | customs tariff number                    |  |
| Electrical data   Supply Operating voltage DC max. Operating per contact max. 1,5 A Industrial communication Transfer parameters OATS, Class D (ISO/IEC 11801:2002), (EN 50173-1) Obata transmission rate max. 100 MBI/s Industrial communication   Ethernet functionality Undustrial Communicational Ethernet functionality Undustrial Communicational Ethernet functionality Undustrial Communicationality Undustria |  |  |
| Operating voltage DC max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBil/s  Industrial communication   Ethernet functionality  duplex Full duplex  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 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Cocating locking  Cocating locking  Mechanical data   Material data  Cocating locking material 2 inc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Packaging unit                           | 1  |
| Current operating per contact max. 1,5 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking  Coating locking  Mickeled  Coating locking  Material screw connection   Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Electrical data   Supply                 |  |
| Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  druplex Full duplex  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 1,5 kV  Meterial group (IEC 60664-1) 1  Meterial group (IEC 60664-1) 1  Methanical data   Material data   Material data   Material data   Mickel data   Mick | Operating voltage DC max.                | 60 V   |
| Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  druplex Full duplex  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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking Nickeled  Coating of fitting nickel plated Locking material  Methanical data   Mounting data  Munting method inserted, screwed, Shaking protection   | Current operating per contact max.       | 1,5 A  |
| Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Screw connection inserted, screwed, Shaking protection independent of inserted, screwed, Shaking protection inser | Industrial communication                 |  |
| Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Screw connection inserted, screwed, Shaking protection independent of inserted, screwed, Shaking protection inser | Transfer parameters                      | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| 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 1,5 kV  Material group (IEC 6064-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material incorrugated incorruga | Data transmission rate max.              |  |
| 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 1,5 kV  Material group (IEC 6064-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material incorrugated incorruga | Industrial communication   Ethernet fur  | nctionality                                      |
| Stripping length (jacket)  Stripping length (jacket)  Mounting set  M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) 1  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Munuting method inserted, screwed, Shaking protection   | ·  |  |
| 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 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  | i dii duplex                                     |
| Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material  Locking material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  |  |  |
| Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | 11 0 0 0 7                               |  |
| Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Mounting set                             | M12 x 1  |
| Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Device protection   Electrical           |  |
| Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Additional condition protection degree   | inserted, screwed                                |
| Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Pollution Degree                         |  |
| Mechanical data Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Rated surge voltage                      | 1,5 kV   |
| Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Material group (IEC 60664-1)             | 1  |
| Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material  Auterial screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Mechanical 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   | Contour for corrugated hose              | without  |
| 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   | Mechanical data   Material data          |  |
| 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  |  | Nickeled   |
| Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  |  |  |
| Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  | · · · · · · · · · · · · · · · · · · ·            |
| Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Material screw connection                | · · · · · · · · · · · · · · · · · · ·            |
| Mounting method inserted, screwed, Shaking protection  | Mechanical data   Mounting data          |  |
|  |  | inserted screwed Shaking protection              |
| Environmental characteristics   Climatic   |  |  |
|  | Environmental characteristics   Climatic |  |



stay connected

| Operating temperature min.   | -25 °C   |
|--|--|
| Operating temperature max.   | 85 °C  |
| Additional condition temperature range   | depending on cable quality   |
| Conformity   |  |
| Product standard   | DIN EN 61076-2-101 (M12)   |
| Installation   Cable   |  |
| •  | 700  |
| Cable identification   | 796  |
| Jacket Color   | green  |
| Type of Certificate  | cURus  |
| Amount stranding   | 1  |
| Stranding  | 4 wires around Core filler twisted   |
| Cable shielding (type)   | copper braid, tinned   |
| Cable shielding (coverage)   | 85 %   |
| Banding  | Fleece, Foil   |
| Filler   | yes  |
| wire arrangement   | white, yellow, blue, orange  |
| No. of bending cycles (C-track)  | 3 Mio. @ 25 °C   |
| Cable weigth   | 69,3 g/m   |
| Material jacket  | PUR  |
| Shore hardness jacket  | 89 Shore A   |
| Freedom from ingredients (jacket)  | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
| Outer-diameter (jacket)  | 6,7 mm   |
| Tolerance outer diameter (sheath)  | ±5%  |
| Material inner jacket  | FRNC   |
| Color (inner jacket)   | natur  |
| Material wire insulation   | PE   |
| Amount wires   | 4  |
| Outer diameter insulation  | 1,4 mm   |
| Outer diameter tolerance core insulation   | ±5%  |
| Shore hardness wire insulation   | 65 Shore D   |
| Lancard Control Contro |  |
| Ingredient freeness wire insulation  | lead-free, CFC-free, halogen-free  |
| Ingredient freeness wire insulation  Amount strands (wire)   | lead-free, CFC-free, halogen-free 7  |
|  |  |
| Amount strands (wire)  | 7  |
| Amount strands (wire) Diameter of single wires   | 7<br>22 AWG  |
| Amount strands (wire)  Diameter of single wires  Conductor crosssection (wire)   | 7<br>22 AWG<br>22 AWG  |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire   | 7 22 AWG 22 AWG Stranded copper wire, bare   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track)   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard)  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz  |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C  |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power)  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire)  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket)   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s   |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire)  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s 2 kV @ 60 s                                       |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed)   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s 2 kV @ 60 s -40 °C                                |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)  | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s 2 kV @ 60 s 2 kV @ 60 s                           |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed)   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s 2 kV @ 60 s 2 kV @ 60 s -40 °C 80 °C -30 °C 70 °C |
| Amount strands (wire) Diameter of single wires Conductor crosssection (wire) Material conductor wire Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Characteristic impedance Electrical resistance line constant wire Loop resistance Nominal voltage power AC max. Electrical capacity line constant (wire - wire) (power) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)   | 7 22 AWG 22 AWG Stranded copper wire, bare 5 m @ 25 °C to DIN VDE 0298-4 4,8 A 100 Ω ± 15 % @ 100 MHz 55 Ω/km @ 20 °C 5000 MΩ × km 300 V 50000 pF/km 2 kV @ 60 s 2 kV @ 60 s 2 kV @ 60 s -40 °C 80 °C -30 °C       |



| Gasoline resistance      | Good, application-related testing                    |
|--------------------------|--|
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)   | 5 x Outer diameter                                   |
| Bending radius (dynamic) | 12 x Outer diameter                                  |
| No. of torsion cycles    | 1 Mio. 25 °C   |
| Torsion stress           | ± 180 °/m  |