

## M12 male 0° / M12 male 0° Y-cod. shielded

PUR AWG20/26 shielded gn UL/CSA+drag ch. 0.6m

**Ethernet CAT5** Male straight - male straight M12 - M12, 8-pole Y-coded shielded

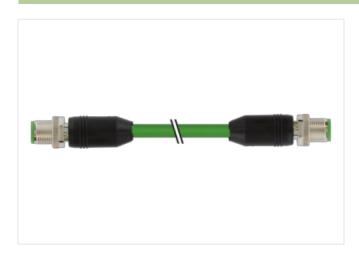
Further cable lengths on request.

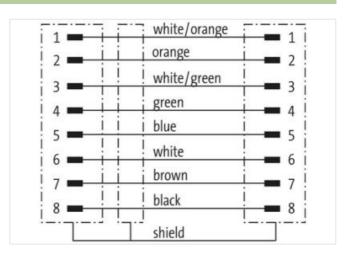
Plastic housings with good resistance against chemicals and oils.

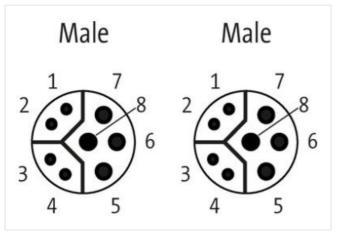
The resistance to aggressive media should be individually tested for your application. Further details on request.

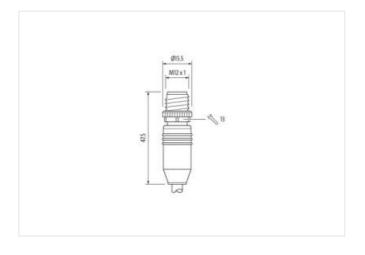
## **Link to Product**

## Illustration









Product may differ from Image



Cable length

0,6 m

Side 1



stay connected

| Family construction from M12 normals   | Tightening torque                              | 0,6 Nm   |                          |     |
|--|--|--|--------------------------|-----|
| Treed         M12 x 1           Ceding         Y           Medinal         PUB           With across flats         SW13           Sw12           Toptoming bronge         0,6 km           Family, constitution from         M12 x 1           Coding         Y           Material         PUB           Commercial data           ECLASS-6.0           Commercial data           ECLASS-7.0           Commercial data           ECLASS-7.0           ECLASS-7.0           ECLASS-7.0           ECLASS-7.0           ECLASS-9.0           ECLASS-9.0           ECLASS-11.1           ECLASS-12.0           ECLASS-12.0 <td <="" colspan="2" td=""><td>Family construction form</td><td>M12</td></td>   | <td>Family construction form</td> <td>M12</td> |  | Family construction form | M12 |
| Material         PUR           With acoss fists         SW13           Side 2         Tightening torque         0.8 Nm           Family construction form         M12           Thread         M2 x 1           Coding         Y           Material         PUR           Commercial data           ECLASS 0.0         27061801           ECLASS 5.0         27063007           ECLASS 7.0         27063007           ECLASS 7.0         27063007           ECLASS 8.0.1         27063007           ECLASS 8.1.1         27063007           ECLASS 10.1         27063007           ECLASS 11.1         27063007           ECLASS 12.0         50 V           Electrical data   Supply         1           Electrical gard pursul         1           Electrical data   Supply         50 V           Operating outlage DC max.         50 V           Operating outlage pC max.         50 V           Operating outlage pC max.         60 X  | Thread   | M12 x 1  |                          |     |
| Wide across fata         SW13           Side 2           Tipteening range         0.6 km           Family construction form         M12           Timesd         M2 x 1           Coding         V           Material         PUR           Commercial data           ECLASS 8.0         27061801           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 9.0         27060007           ECLASS 9.1         27060007           ECLASS 9.1.         27060007           ECLASS 9.1.         27060007           ECLASS 9.1.         27060007           ECLASS 9.2.         27060007           ECLASS 9.1.         270600007           ECLASS 9.2.         27060007           ECLASS 9.1.         27060007           ECLASS 9.2.         27060007           ECLASS 9.2.         270600007           ECLASS 9.2.         270600007           ECLASS 9.2.         2706000000           ECLASS 9.2.         30           Coperating voilage DC max.         50 V           Operating voilage DC max.         50 X  | Coding   | Υ  |                          |     |
| Side 2           Tighteening torque         0.6 Nm           Family construction from         M12           Throad         M12 x 1           Coding         Y           Material         PUR           Commercial data           Commercial data           ECLASS 6.0         270e1801           ECLASS 7.0         270e0307           ECLASS 7.0         270e0307           ECLASS 9.0         270e0307           ECLASS 9.1         270e0307           ECLASS 9.1.1         270e0307           ECLASS 9.2         270e0307           ECLASS 9.1.1         270e0307           ECLASS 9.1.2         270e0307           ECLASS 9.1.3         270e0307           ECLASS 9.1.4         270e0307           ECLASS 9.1.5         100e185           custons starff number         8544220           CTIN         40           Departing violage AC max.         50 V           Operating violage DC max.         50 V           Operating violage DC max.         6.4           Industrial communication         10.4           Industrial communication   Ethernet turnitation         10.0           Operating violage DC max  | Material                                       | PUR  |                          |     |
| Tighteering torque         0,6 Nm           Family construction form         M12           Tread         M12 1           Coding         Y           Material         PUR           Commercial date           ECLASS-6.0         27068907           ECLASS-6.1         27068907           ECLASS-7.0         27069307           ECLASS-8.0         27069307           ECLASS-9.1         27069307           ECLASS-10.1         27069307           ECLASS-11.2         27069307           ECLASS-11.3         27069307           ECLASS-12.0         27069307           ETIM-5.0         ECMORES           ECLASS-12.0         27069307           ETIM-5.0         ECMORES           COLASS-1.1         27069307           ETIM-5.0         ECMORES           COLASS-1.2         27069307           ETIM-5.0         ECMORES           COLASS-1.2         27069307           ETIM-5.0         ECMORES           COLASS-1.2         27069307           ETIM-5.0         ECMORES           COLASS-1.2         27069307           ETIM-5.0         ECMORES           COP   | Width across flats                             | SW13   |                          |     |
| Family construction form         M12 x 1           Thread         M12 x 1           Coding         Y           Material         PUR           Commercial data           ECLASS-0         27061801           ECLASS-6.1         27063907           ECLASS-6.2         27063907           ECLASS-9.0         27063907           ECLASS-1.1         27063907           ECLASS-1.2         27063907           ECLASS-1.1.1         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27064907           ECLASS-1.2.0         27064907           ECLASS-1.2.0         27064907           Class Properties of Extracted and Insurance of Extracted Acts I Supply           Extracted Acts I Supply           Operating voltage AC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage AC max.         50 V           Operating  | Side 2   |  |                          |     |
| Family construction form         M12 x 1           Thread         M12 x 1           Coding         Y           Material         PUR           Commercial data           ECLASS-0         27061801           ECLASS-6.1         27063907           ECLASS-6.2         27063907           ECLASS-9.0         27063907           ECLASS-1.1         27063907           ECLASS-1.2         27063907           ECLASS-1.1.1         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27063907           ECLASS-1.2.0         27064907           ECLASS-1.2.0         27064907           ECLASS-1.2.0         27064907           Class Properties of Extracted and Insurance of Extracted Acts I Supply           Extracted Acts I Supply           Operating voltage AC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage DC max. (UL-listed)         30 V           Operating voltage AC max.         50 V           Operating  | Tightening torque                              | 0,6 Nm   |                          |     |
| Tivead         M12 x 1           Coding         Y           Material         puR           Commercial data         PUR           ECLASS 6.0         27061901           ECLASS 7.0         27063037           ECLASS 7.0         27063037           ECLASS 8.0         27063037           ECLASS 9.0         27063037           ECLASS 10.1         27063037           ECLASS 11.2         27063037           ECLASS 12.0         27060307           ETIM 5.0         ECO01825           CLASS 11.1         27060307           ETIM 5.0         ECO01825           CLASS 12.0         27062007           ETIM 5.0         ECO01825           CLASS 12.0         27062007           ETIM 5.0         ECO01825           CPCASA 12.0         27062007           ETIM 5.0         ECO01825           Operating voltage AC max.         50 V           Op   |  |  |                          |     |
| Material   PUR   |  | M12 x 1  |                          |     |
| Commercial data           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ECLASS-1.1         27060307           ETIM-5.0         EC001855           oustoms staff number         85444290           GTIN         40489740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating uvoltage DC max. (UL-listed)         30 V           Operating current per power contact max.         6 A           Industrial communication         50 X           Deparating current per power contact max.         6 A           Industrial communication   Element functionality         4 (pubple)           Industrial communication   Element functionality         4 (pubple)           Device protection   Electrical         4 (pubple)           Posero of protection   Electrical         4 (pubple)           Device protection   Electrical         4 (pubpl   | Coding   | Υ  |                          |     |
| ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27060307           ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS 1.1         27060307           ECLASS 11.1         27060307           ECLASS 12.0         27060307           ECLASS 12.0         ECO1855           customs tarilf number         85444290           GTIN         4048879740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max         50 V           Operating voltage DC max. (U.L. isted)         30 V           Operating unrent per data contact max.         0,5 A           Operating unrent per per power contact max.         0,5 A           Operating unrent per power contact max.         10 MBitrs           Industrial communication:         Electrical tangenters           Data transmission rate max.         10 MBitrs           Industrial communication:         Electrical tangenters           Degree of protection (Electrical         10 MBitrs           Degree of protection (Electrical)         19 duplex           Degree of protection (Electrical)         19 duplex           Degree of  | Material                                       | PUR  |                          |     |
| ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           usulsmis tariff number         85444290           GTIN         4048879749975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         6 A           Industrial communication   Ethernet functionality           duplex         Full duplex           Degree of protection (EN IEC 66529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated supe voltage         0,8 kV           Mechanical data   Metrial data           Cocking packing <td< td=""><td>Commercial data</td><td></td></td<>  | Commercial data                                |  |                          |     |
| ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           usulsmis tariff number         85444290           GTIN         4048879749975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         6 A           Industrial communication   Ethernet functionality           duplex         Full duplex           Degree of protection (EN IEC 66529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated supe voltage         0,8 kV           Mechanical data   Metrial data           Cocking packing <td< td=""><td>FCLASS-6.0</td><td>27061801</td></td<>   | FCLASS-6.0                                     | 27061801   |                          |     |
| ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         404879749975           Packaging unit         4           Electrical data Supply           Operating voltage AC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating urient per data contact max.         0.5 A           Operating urient per power contact max.         0.5 A           Operating current per data contact max.         0.5 A           Industrial communication         10 MBI/s           Transfer parameters         CATS, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBI/s           dulpex         Pell duplex           Degree op protection [EN EEC 60529]         IP65, IP67           Additional condition protection (EN IEC 60529)         IP65, IP67           Additional condition protection (EN IEC 60529)         IR SA IEC ACT ACT ACT ACT ACT ACT ACT ACT ACT AC  |  |  |                          |     |
| ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs taiff number         85444290           GTIN         4048879740975           Packaging unit         1           Electrical data [supply           Operating vottage AC max.         50 V           Operating vottage AC max.         50 V           Operating vottage DC max.         50 A           Operating current per data contact max.         0.5 A           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         6 A           Industrial communication (Extract)         6 A           Industrial communication (Extract)         Full duplex           Industrial communication (Extract)         Full duplex           Industrial communication (Extract)         Full duplex           Degree of protection (Extract)         Full duplex           Industrial communication (Extract)         Full duplex           Degree of protection (Extract)         Full duplex <t< td=""><td></td><td></td></t<>   |  |  |                          |     |
| ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.2         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIN         404879740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per data contact max.         0.6 A           Industrial communication         Electrical           Data transmission rate max.         100 MBit/s           Industrial communication   Electrical         Electrical data (Supplemental Contact (Supplemental Contact Contact Contact Contact (Supplemental Contact Contact Contact Contact Contact Contact Conta   |  |  |                          |     |
| ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879740975           Packaging unit         1           Electrical data   Supply           Operating voltage DC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0,5 A           Operating current per data contact max.         0,5 A           Operating current per power contact max.         6 A           Industrial communication         Industrial communication   Ethernet functionality           duplex         Full duplex           Degree of protection   Eterret functionality           duplex         Full duplex           Degree of protection   Eterret functionality           duplex         Begree of protection   Eterret functionality           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (EC 606641)         1           Mechanical data         Material functionality  |  |  |                          |     |
| ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           customs tariff number         8544290           GTIN         4048879740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         6 A           Transfer parameters         CAT5, Class D (ISO/IEC 11801-2002), (EN 50173-1)           Data transmission rate max.         100 MBits           Industrial communication   Ethernet functional intermet functional   |  |  |                          |     |
| ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication           Transfer parameters         CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)           Data transmission rate max.         100 MBits           Industrial communication   Ethernet functionality         Industrial communication   Ethernet functionality           duplex         Full duplex           Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Metanical data   Material data         Image: Color of the contract of the color of the co  | ECLASS-11.1                                    |  |                          |     |
| customs tariff number 85444290 GTIN 4048879740975 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage DC max. 50 V  Operating voltage DC max. 0.5 A  Operating current per data contact max. 0.5 A  Operating current per power contact max. 0.5 A  Operating current per power contact max. 0.5 A  Operating current per power contact max. 100 MBit/s  Industrial communication  Industrial communication   Ethernet functionality  duplex Cartes of protection (EN IEC 60529) P65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 80684-1) I  Mechanical data  Contour for corrugated hose without electrical  Contour for corrugated hose without electrical  Coding locking Material data  Mechanical data   Material data  Code (Screwed, Shaking protection (Shaking protection  |  | 27060307   |                          |     |
| GTIN         4048879740975           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0.5 A           Operating current per power contact max.         6 A           Industrial communication         Transfer parameters           Data transmission rate max.         100 MBI/s           Industrial communication   Ethernet functionality           duplex         Full duplex           Degree of protection   Electrical         Full duplex           Degree of protection   Electrical         1965, IP67           Additional condition protection degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data         Mechanical data           Contour for corrugated hose         without           Mechanical data   Material data         Coading locking           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection   | ETIM-5.0                                       | EC001855   |                          |     |
| Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 50 V  Operating voltage DC max. (UL-listed) 30 V  Operating voltage DC max. (UL-listed) 30 V  Operating current per data contact max. 6 A  Operating current per power contact max. 6 A  Industrial communication  Transfer parameters CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBi/s  Industrial communication   Ethernet functional industrial condition protection   Electrical  Degree of protection (EN IEC 60529)   IP65, IP67   Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 6064-1)   I  Mechanical data   Material data  Contour for corrugated hose without  Mechanical data   Material data  Conting locking Nickeled  Locking material industrial data   Material data   Material data   Material mater | customs tariff number                          | 85444290   |                          |     |
| Part   | GTIN   | 4048879740975                                    |                          |     |
| Operating voltage AC max.         50 V           Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0,5 A           Operating current per power contact max.         6 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           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data         Mechanical data           Contour for corrugated hose         without           Mechanical data   Material date           Coating locking         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection   | Packaging unit                                 | 1  |                          |     |
| Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0,5 A           Operating current per power contact max.         6 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           Degree of protection [Electrical         Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data         Mechanical data   Material data           Contour for corrugated hose         without           Mechanical data   Material data         Coating locking         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method <t< td=""><td>Electrical data   Supply</td><td></td></t<>  | Electrical data   Supply                       |  |                          |     |
| Operating voltage DC max.         50 V           Operating voltage DC max. (UL-listed)         30 V           Operating current per data contact max.         0,5 A           Operating current per power contact max.         6 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           Degree of protection [Electrical         Degree of protection (EN IEC 60529)         IP65, IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data         Mechanical data   Material data           Contour for corrugated hose         without           Mechanical data   Material data         Coating locking         Nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method <t< td=""><td>Operating voltage AC max.</td><td>50 V</td></t<>   | Operating voltage AC max.                      | 50 V   |                          |     |
| Operating voltage DC max. (UL-listed)     30 V       Operating current per data contact max.     0,5 A       Operating current per power contact max.     6 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     Pull duplex       Degree of protection [EN IEC 60529)     IP65, IP67       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Mechanical data       Contour for corrugated hose     without       Mechanical data   Material data       Coating locking     Nickeled       Locking material     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection  |  | 50 V   |                          |     |
| Departing current per power contact max.   6 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     Device protection   Electrical     Degree of protection (EN IEC 60529)   IP65, IP67     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data     Contour for corrugated hose   without     Mechanical data   Material data     Coating locking   Nickeled     Locking material   Zinc die-casting     Mechanical data   Mounting data     Mounting method   inserted, screwed, Shaking protection  | Operating voltage DC max. (UL-listed)          | 30 V   |                          |     |
| Industrial communication  Transfer parameters CATS, Class D (ISO/IEC 11801:2002), (EN 50173-1)  Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I I I I I I I I I I I I I I I I I I I  | Operating current per data contact max.        | 0,5 A  |                          |     |
| 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  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material 2 Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Operating current per power contact max.       | 6 A  |                          |     |
| Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Coating Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Industrial communication                       |  |                          |     |
| Data transmission rate max. 100 MBit/s  Industrial communication   Ethernet functionality  duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Coating Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | Transfer parameters                            | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |                          |     |
| duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  |  |                          |     |
| duplex Full duplex  Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | Industrial communication   Ethernet fund       | etionality                                       |                          |     |
| Device protection   Electrical  Degree of protection (EN IEC 60529) IP65, IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   | ·  | •  |                          |     |
| Degree of protection (EN IEC 60529) IP65, IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  | •  | i uli duplex                                     |                          |     |
| Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  |  |                          |     |
| Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  |  | ·  |                          |     |
| Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  | ·  |                          |     |
| Material group (IEC 60664-1)  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  |  |                          |     |
| Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  | U,O KV   |                          |     |
| Contour for corrugated hose without  Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  |  | ·  |                          |     |
| Mechanical data   Material data  Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  |  |                          |     |
| Coating locking Nickeled  Locking material Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  |  | without  |                          |     |
| Locking material  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection  | Mechanical data   Material data                |  |                          |     |
| Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection   |  |  |                          |     |
| Mounting method inserted, screwed, Shaking protection  | Locking material                               | Zinc die-casting                                 |                          |     |
|  | Mechanical data   Mounting data                |  |                          |     |
| Environmental characteristics   Climatic   | Mounting method                                | inserted, screwed, Shaking protection            |                          |     |
|  | Environmental characteristics   Climatic       |  |                          |     |



Operating temperature min. -25 °C 85 °C 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation | Cable wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable identification 805 Jacket Color green Type of Certificate cURus Amount stranding Stranding 4 wires around 1 Filler twisted Amount stranding (type 2) Stranding (type 2) 4 wires around Stranding combination with Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Pair shielding (type) copper braid, tinned Banding Fleece, Foil Filler ves wire arrangement black, brown, white, blue, (orange-white, green, orange, green-white) Cable weigth 107,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ±5% Material wire insulation PP Amount wires 4 Outer diameter insulation 1,5 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) Diameter of single wires 20 AWG Conductor crosssection (wire) 20 AWG Material conductor wire Stranded copper wire, bare Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (data) ±5% Shore hardness wire insulation (Data)

lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

| 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: 2024-05-2 |

Ingredient freeness wire insulation (Data)

Amount wires (Data)

Amount strands wire (Data) Diameter of single wires (Data)

Nominal voltage AC max.

Conductor crosssection wire (Data) Material conductor wire (Data)

Current load capacity (standard)

55 ± 5 Shore D

4 19

26 AWG 26 AWG

60 V

Stranded copper wire, bare

to DIN VDE 0298-4



| Current load capacity min. wire                   | 5,9 A  |
|---|--|
| Current load capacity min. Wire (Data)            | 2 A  |
| Characteristic impedance                          | 100 Ω ± 15 % @ 1 MHz                                 |
| Electrical resistance line constant wire          | 35 Ω/km  |
| Electrical resistance coating wire (Data)         | 140 Ω/km   |
| AC withstand voltage (wire - wire)                | 1 kV @ 60 s  |
| Electrical capacity line constant (wire - wire)   | 52000 pF/km  |
| Power frequency withstand voltage (wire - jacket) | 1 kV @ 60 s  |
| AC withstand voltage (wire - shield)              | 1 kV @ 60 s  |
| Isolation resistance                              | 5000 ΜΩ  |
| Min. operating temperature (static)               | -50 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                    |
| Operating temperature min. (dynamic)              | -40 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                    |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (installation)                     | x Outer diameter                                     |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| No. of bending cycles (C-track)                   | 5 Mio.   |
| Traversing distance (C-track)                     | 5 m  |
| Travel speed (C-track)                            | 3,3 m/s  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 30 °/m   |
| Torsion speed                                     | 35 cycles/min  |