

## M12 female 0° A-cod. with cable

PUR 3x0.34 gy UL/CSA+drag ch. 4m

Female straight

M12, 3-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

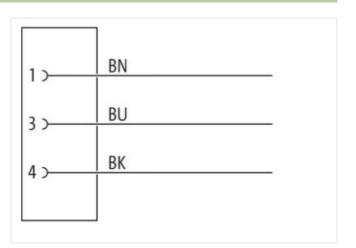
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

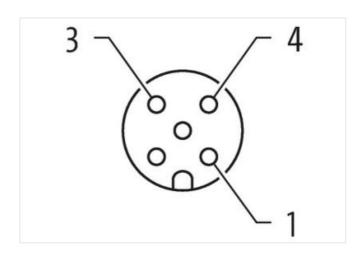
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

4 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-25



stay connected

| Mounting method                           | inserted, screwed                     |
|---|---------------------------------------|
| Family construction form                  | M12                                   |
| Thread                                    | M12 x 1                               |
| suitable for corrugated tube (internal Ø) | 10 mm                                 |
| Coding                                    | A                                     |
| Material                                  | PUR                                   |
| No. of poles                              | 3                                     |
| Width across flats                        | SW13                                  |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67                     |
| Side 2                                    |                                       |
| Stripping length (jacket)                 | 20 mm                                 |
| Commercial data                           |                                       |
| ECLASS-6.0                                | 27279218                              |
| ECLASS-6.1                                | 27279218                              |
| ECLASS-7.0                                | 27279218                              |
| ECLASS-8.0                                | 27279218                              |
| ECLASS-9.0                                | 27060311                              |
| ECLASS-10.1                               | 27060311                              |
| ECLASS-11.1                               | 27060311                              |
| ECLASS-12.0                               | 27060311                              |
| ETIM-5.0                                  | EC001855                              |
| customs tariff number                     | 85444290                              |
| GTIN                                      | 4048879560641                         |
| Packaging unit                            | 1                                     |
| Electrical data   Supply                  |                                       |
| Operating voltage AC max.                 | 250 V                                 |
| 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                 |                                       |
| Stripping length (jacket)                 | 20 mm                                 |
| Mounting set                              | M12 x 1                               |
| Device protection   Electrical            |                                       |
| Additional condition protection degree    | inserted, screwed                     |
| Pollution Degree                          | 3                                     |
| Rated surge voltage                       | 2,5 kV                                |
| Material group (IEC 60664-1)              | T T                                   |
| 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            |
|   | · - · · ·                             |
| Conformity                                |                                       |



Product standard DIN EN 61076-2-101 (M12)

| Cable Identification   233   | Product standard                         | DIN EN 610/6-2-101 (M12)                                       |
|--|--|--|
| Cable Type 3 Jacket Color gray  Jacket Color gray  Type of Certificate cURUs  Amount stranding 1 Stranding 3 wires twisted  wire arrangement brown, black, blue  No. of bending cycles (C-track) 10 Mic. @ 25 °C  Cable weigh 29,7 g/m  Material jacket PUR  Shore hardness jacket PUR  Anount stranding 1  Tolerance outer diameter (sacket) 4,1 mm  Tolerance outer diameter (sacket) 4,1 mm  Tolerance outer diameter (seath) 4,5 mm  Atterial yiac insulation PP  Amount wires 3  Outer diameter insulation PP  Amount wires 3  Outer diameter folerance ore insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor or sessection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) 1 mm @ 25 °C Indizontal 1 mm @ 25 °C Indizontal 2 mm @ 25 °C Indizontal 3 mm @ | Installation   Cable                     |  |
| Jacket Color gray Type of Certificate cURus Amount standing 1 Stranding 3 wires twisted wire arrangement brown, black, blue No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weigh 29,7 g/m Material jacket PUR Shore hardness jacket 99 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter (wire) 0,34 mm²  Material conductor wire 5 stranded copeper wire, bare Outer diameter (wire) 0,34 mm²  Material conductor wire 5 mm outer diameter (wire) 1,25 kV @ 60 s  Min. operating temperature (kised) 10 mm @ 25 °C   horizontal 1 Outer Indual outer quality min. wire 6 A  Electrical resistance Insulation 1,25 kV @ 60 s  Min. operating temperature min. (dynamic) 10 kOuter   | Cable identification                     | 233  |
| Type of Certificate cURus Amount stranding 1 Sirves (C-track) 10 Mio. @ 25 °C Shore hardness wire insulation PP Amount wires 3 Cluer diameter (sheath) 1,25 mm Outer diameter (sheath) 1,25 m  | Cable Type                               | 3  |
| Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weight         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4,1 mm           Outer diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5   | Jacket Color                             | gray   |
| Stranding 3 wires twisted wire arrangement brown, black, blue    Wire arrangement brown, black, blue    No. of bending cycles (C-track) 10 Mio. @ 25 °C  Cable weigth 29,7 g/m  Material jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4.1 mm  Toforance outer diameter (sheath) ± 5 °s  Material wire insulation PP  Amount wires 3  Outer diameter inolation 1,25 mm  Outer diameter inolation 1,25 mm  Outer diameter inolation 5 °5 °s  Shore hardness wire insulation 1,25 mm  Outer diameter inolation 1,25 mm  Outer diameter of inigle wires 1,25 mm  Outer diameter of inigle wires 1,25 mm  Material inolation inolation 1,25 mm  Outer diameter of inigle wires 1,25 mm  Material inolation 1,25 mm  Outer diameter of inigle wires 1,25 mm  Outer diameter of inig | Type of Certificate                      | cURus  |
| wire arrangement         brown, black, blue           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigth         29.7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolorance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         10 mm           Conductor crossesection (wire)         0,1 mm           Conductor crossesection (wire)         0,1 mm  | Amount stranding                         | 1  |
| No. of bending cycles (C-track)  | Stranding                                | 3 wires twisted  |
| Cable weight         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance occe 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 (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load   | wire arrangement                         | brown, black, blue   |
| Material jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         10 mm           Ingredient freeness wire insulation         10 mm           Ingredient freeness wire insulation         10 mad-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Ornductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C  | No. of bending cycles (C-track)          | 10 Mio. @ 25 °C  |
| Shore Nardness jacket   90 ± 5 Shore A   | Cable weigth                             | 29,7 g/m   |
| Freedom from ingredients (jacket) load-free, cadmium-free, CFC-free, halogen-free, sillicone-free  Outer-diameter (jacket) 4,1 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 3  Outer diameter insulation 1,25 mm  Outer diameter insulation ± 5 %  Shore hardness wire insulation 1,25 mm  Outer diameter oblerance core insulation ± 5 %  Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  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  Traversing distance (C-track) 10 m @ 25 °C  horizontal  Current load capacity (standard) to DIN VDE 298-4  Current load capacity (standard) to DIN VDE 298-4  Current load capacity (win. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max.  Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (static) -40 °C  Good, application-related testing  Oir resistance Good, application-related testing  Oir resistance Good, application-related testing  Oir resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) -5 × Outer diameter  Bending radius (dynamic) -10 × Outer diameter  Dending radius (dynamic) -10 × Outer diameter  Oir outer of the max. dynamic) -10 × Outer diameter  Dending radius (dynamic) -10 × Outer diameter  The condition of the presence of the polication of the polication of the polication of the polication of the polica | Material jacket                          | PUR  |
| Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,26 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 prossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 O/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C @ 1000   | Shore hardness jacket                    | 90 ± 5 Shore A   |
| Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 1000   | reedom from ingredients (jacket)         | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation   | Outer-diameter (jacket)                  | 4,1 mm   |
| Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter loterance 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 Traversing distance (C-track) 10 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame 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 (fixed) 35 cycles/min  | Tolerance outer diameter (sheath)        | ± 5 %  |
| Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (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) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1909   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Flanding radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter  Flanding radius (fixed) 5 × Outer diameter   | Material wire insulation                 | PP   |
| Outer diameter tolerance core insulation   | Amount wires                             | 3  |
| 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     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   6 A     Electrical resistance line constant wire   57 (\(\Omega\)/m (\(\omega\) @ 0 °C     Nominal voltage power AC max.   300 V     Power frequency withstand voltage power (wire - wire)   2,5 kV @ 60 s     AC withstand voltage power (wire - wire)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 1990   IEG 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 (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min   | Outer diameter insulation                | 1,25 mm  |
| 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  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Q/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Outer diameter tolerance core insulation | ± 5 %  |
| 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       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     6 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - wire)     2,5 kV @ 60 s       AC withstand voltage power (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 max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       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       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min   | Shore hardness wire insulation           | 70 ± 5 Shore D   |
| 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  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard)  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 \( \Omega \text{ Mr} \)@ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | ngredient freeness wire insulation       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (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 max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1909   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         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.   | Amount strands (wire)                    | 42   |
| Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (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 max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1909   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         Bending radius (dynamic)       10 x Outer diameter   | Diameter of single wires                 | 0,1 mm   |
| Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (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 max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         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         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  | Conductor crosssection (wire)            | 0,34 mm²   |
| Traversing distance (C-track)  Current load capacity (standard)  Current load capacity min. wire  6 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Max. operating temperature (fixed)  Max. operating temperature min. (dynamic)  Operating temperature max. (dynamic)  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  No. of torsion cycles  7 over Max. Operating temperature max. (dynamic)  10 x Outer diameter  No. of torsion speed   | Material conductor wire                  | Stranded copper wire, bare                                     |
| Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - yick et a) (2,5 kV @ 60 s)  AC withstand voltage power (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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Conductor type (wire)                    | strand class 6   |
| Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - jacket)       2,5 kV @ 60 s         AC withstand voltage power (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 max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         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         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  | Traversing distance (C-track)            | 10 m @ 25 °C   horizontal                                      |
| Electrical resistance line constant wire 57 \( \Omega \)/km \( \emptyre 20 \) °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - jacket) 2,5 kV \( \emptyre 60 \) s  AC withstand voltage power (wire - wire) 2,5 kV \( \emptyre 60 \) s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \emptyre 10000 \) h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \emptyre 10000 \) h Operation  Flame resistance UL 1581 \( \frac{1}{8} \) 1090   IEC 60332-2-2   UL 1581 \( \frac{1}{8} \) 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  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Current load capacity (standard)         | to DIN VDE 0298-4  |
| Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (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 max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  No. of torsion cycles  2 Mio.  | Current load capacity min. wire          | 6 A  |
| Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  AC withstand voltage power (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 max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  No. of torsion cycles  2 Mio.  Torsion speed  | Electrical resistance line constant wire | 57 Ω/km @ 20 °C  |
| AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  No. of torsion cycles  2 Mio.  Torsion speed  | Nominal voltage power AC max.            | 300 V  |
| Min. operating temperature (static)  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  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  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min   |  | 2,5 kV @ 60 s  |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  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)  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min   | AC withstand voltage power (wire - wire) | 2,5 kV @ 60 s  |
| Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         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         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min   |  |  |
| Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         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         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  |  | 80 °C / 90 °C @ 10000 h Operation                              |
| 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  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   |  |  |
| chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  |  |  |
| Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  |  |  |
| Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  |  | 7 11   |
| Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min  |  |  |
| Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  |  |  |
| No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min   | <u> </u>                                 | 5 x Outer diameter   |
| Torsion speed 35 cycles/min  |  | 10 x Outer diameter  |
|  | <u> </u>                                 | 2 Mio.   |
|  |  | ·  |
| Torsion stress ± 180 °/m   | Torsion stress                           | ± 180 °/m  |