

## M12 female 0° A-cod. with cable shielded

PUR 3x0.34 shielded gy UL/CSA+drag ch. 25m

Female straight M12, 3-pole shielded

with cable sleeves

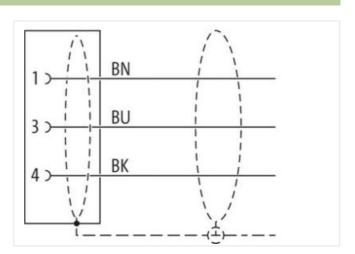
Plastic housings with good resistance against chemicals and oils.

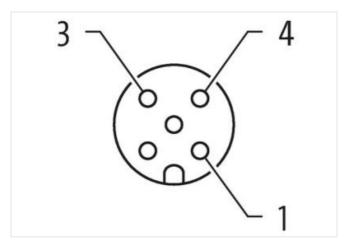
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

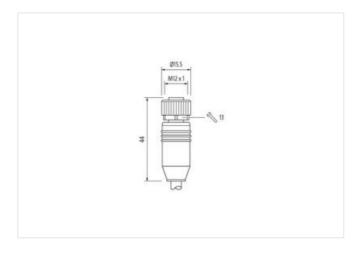
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

25 m

Side 1

Tightening torque

0,6 Nm



stay connected

| Mounting method                          | inserted, screwed                     |
|--|---------------------------------------|
| Family construction form                 | M12                                   |
| Thread                                   | M12 x 1                               |
| Coding                                   | A                                     |
| Material                                 | PUR                                   |
| Width across flats                       | SW13                                  |
| Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67                     |
| 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                                     | 4048879542678                         |
| Packaging unit                           | 1                                     |
| Electrical data   Supply                 | <u>'</u>                              |
|  | 00.17                                 |
| Operating voltage AC max.                | 60 V                                  |
| Operating voltage DC max.                | 60 V                                  |
| Operating voltage AC (UL-listed)         | 30 V                                  |
| Operating voltage DC (UL-listed)         | 30 V                                  |
| Current operating per contact max.       | 4 A                                   |
| Installation   Connection                |                                       |
| Mounting set                             | M12 x 1                               |
| Device protection   Electrical           |                                       |
| Additional condition protection degree   | inserted, screwed                     |
| Pollution Degree                         | 3                                     |
| Rated surge voltage                      | 1,5 kV                                |
| Material group (IEC 60664-1)             |                                       |
| Mechanical data   Material data          |                                       |
| Coating locking                          | Nickeled                              |
| Coating of fitting                       | nickel plated                         |
| Locking material                         | Zinc die-casting                      |
| Material screw connection                | Zinc die-casting                      |
| Mechanical data   Mounting data          |                                       |
| Mounting method                          | inserted, screwed, Shaking protection |
| Environmental characteristics   Climatic |                                       |
| Operating temperature min.               | -25 °C                                |
| Operating temperature max.               | 85 °C                                 |
| Additional condition temperature range   | depending on cable quality            |
| Conformity                               |                                       |
| Product standard                         | DIN EN 61076-2-101 (M12)              |
| Installation   Cable                     |                                       |
| Cable identification                     | 240                                   |
| Cable Type                               | 3                                     |
| Jacket Color                             | gray                                  |
| -  |                                       |



## stay connected

| Amount stranding 1 Samaning 3 were twisted Cable shelding (type) copper braid, tinned Cable shelding (coverage) 80 % Bandring Flooco, Foll wite arrangement brown, black, blue No. of blanding cycles (C-track) 5 Mo. g2 1°C Cable weight 44 ym Material jackert PUR Shore hardness jacket PUR Shore hardness jacket 90 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Floodom from Ingrudients (gaket) 5 mo. g2 5 Shore A Galameter insulation 2 5 % Material wire insulation 3 1,25 mm Outer diameter (sheath) 5 5 % Shore hardness were insulation 70 5 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were insulation 70 5 Shore D Ingredient feeness were i | Type of Certificate                        | cURus  |
|---|--|--|
| Cable shielding (coverage)         copper braid, timed           Cable shielding (coverage)         80 %           Barding         Floeor, Foll           wite arrangement         brown, Back, Bue           No. of bending cycles (C-track)         5 Mic @ 25 °C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, allicone-free           Outer-diameter (glacket)         5 5 %           Tolerance outer diameter (sheath)         5 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter invelation         1,25 mm           Outer diameter (sheath)         2 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter (sheath)         2 5 %           Shore hardness wire insulation         7 5 5 Shore D           Ingredient Teeness wire insulation         7 5 5 Shore D           Ingredient Teeness wire insulation         7 5 5 Shore D           Ingredient Teeness wire insulation         7 5 5 Shore D           Ingredient Teeness wire insulation         7 5 5 Shore D           Ingredient Tee  | Amount stranding                           | 1  |
| Cable shlekting (coverage)         80 %           Banding         Fleece, Foll           wise arrangement         brown, black, blue           No. of banding cycles (C-track)         5 Mio, @ 25 °C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 s 5 Shore A           Freedom from ingredients (jacket)         5 min           Outer-diameter (jacket)         5 min           Tolerance outer diameter (sheath)         4.5 %           Matorial wire insulation         PP           Annount wires         3           Outer diameter insulation         1,25 min           Outer diameter insulation         1,25 min           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         20 ± 5 Shore D           Ingredient freeness wire insulation         9,1 min           Matorial conductor wire         42           Dameter of single wires         0,1 min           Conductor Crosssection (wire)         43           Dameter of single wires         0,1 min           Conductor type (wire)         5 randed capset wire, bare and cass 6   | Stranding                                  | 3 wires twisted  |
| Banding   Floece, Foli  | Cable shielding (type)                     | copper braid, tinned   |
| wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25° C           Cable weigh         44 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)         5 mm           Tolerance outer diameter (sheath)         2 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         2.5 %           Shore hardness wire insulation         70 ± 5 Shore D           Outer diameter tolerance core insulation         4.5 %           Ingredient Treeness wire insulation         70 ± 5 Shore D           Outer diameter site insulation         1.25 mm           Outer of contraction of single wires wire insulation         4.2 mm           Diameter of single wires wire insulation         8.0 mm           Amount strands (wire)         42           Diameter of single wires wire insulation         9.1 mm           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)  | Cable shielding (coverage)                 | 80 %   |
| No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cablo weight         44 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 (glacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 Shore D           Ingredient freeness wire insulation         19 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire   | Banding                                    | Fleece, Foil   |
| Cable weigh         44 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)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient fleeness wire insulation         70 ± 5 Shore D           Ingredient fleeness wire insulation         70 ± 5 Shore D           Ingredient fleeness were insulation         70 ± 5 Shore D           Ingredient fleeness were insulation         70 ± 5 Shore D           Ingredient fleeness were insulation         70 ± 5 Shore D           Ingredient fleeness were insulation         70 ± 5 Shore D           Conductor (wire)         42           Diameter of single wires         0.1 mm           Conductor (wire)         Stranded copper wire, pare           Conductor (yiew)         5 m @ 25 °C (horizontal           Current load capacity (standard)         10 IN VDE 0938-4           Current load capacity (standard)   | wire arrangement                           | brown, black, blue   |
| Material jacket         PUB           Shore hardness jacket         90 ± 5 Shore A           Freedom from Ingredients (jacket)         5 mm           Outer-dlameter (jacket)         5 mm           Tolerance outer dlameter (jacket)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1.25 mm           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           Taversing distance (C-track)         5 m@ 25 °C ( horizontal           Current load capacity (standard)         to DIN VDE 0298 4           Electrical resistance line constant wire         5 °Okm @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           AC withst   | No. of bending cycles (C-track)            | 5 Mio. @ 25 °C   |
| Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor or crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           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 0/km @ 20 °C           Nominal voltage power (Ar max.         300 V <t< td=""><td>Cable weigth</td><td>44 g/m</td></t<>  | Cable weigth                               | 44 g/m   |
| Freedom from ingradients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Matorial wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter trievalution         1,25 mm           Outer diameter trievalution         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           Conductor type (wire)         strand class 6           Taversing distance (C-track)         5 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 (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (steet)         40 °   | Material jacket                            | PUR  |
| Outer diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Amount strands (wire)         42           Jameter 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)         5 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         6 7 Okm @ 20 °C           Nominal voltage power AC max.         300 V           AC withstand voltage power (wire - shied)         2 kV @ 60 s           Min. operating temperature (statc)         -40 °C           Max. operating temperature (statc)         -40 °C           Max. operating temperature (mix. dynamic)         -25 °C           Operating temperature (mix. dynamic)         -25 °C  | 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 Insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         70 ± 5 % hore D           Ingredient freeness wire insulation         dead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vives         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 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 (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation<   | Freedom from ingredients (jacket)          | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| 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)         5 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 Ωkm @ 20 °C           Nominal voltage power (Armax.         300 V           AC withstand voltage power (wire - skield)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 1000   | Outer-diameter (jacket)                    | 5 mm   |
| 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 yee (wire)         stranded copper wire, bare           Conductor yee (wire)         stranded copper wire, bare           Conductor vire (C-track)         5 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 Okm @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation   | 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 vire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Traversing distance (C-track)         5 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 (standard)         to DIN VDE 0298-4           Current load capacity (strandard)         to DIN VDE 0298-4           Current load capacity (wire - shield)         2 kV @ 60 s           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Min. operating temperature (static)         40 °C @ 100000 h Operation           Operating temperature min. (dynamic)         -25 °C   | Material wire insulation                   | PP   |
| 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)         5 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 Ωkm @ 20 °C           Nominal voltage power AC max.         300 V           AC withstand voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Mc. withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Deparating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -26 °C @ 10000 h Operation           Flame resistance         Good, application-r   | 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)         5 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           AC withstand voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max operating temperature (inced)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         65 °C           Chamical resistance         IEC 60332-2-2 LIL 1581 § 1100 FT2   UL 1581 § 1090   | 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 crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 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 (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. 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 EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1990  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  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) 5 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  AC withstand voltage power (wire - shield) 2 kW @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kW @ 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 Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  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) 5 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 (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Plame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  No. of torsion cycles 2 kMio.  Torsion speed 35 cycles/min  | Ingredient freeness wire insulation        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  5 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 (wire - shield)  2 kV @ 60 s  Power frequency withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  7-25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (fixed)  5 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min  | Amount strands (wire)                      | 42   |
| Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  5 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  AC withstand voltage power (wire - shield)  2 kV @ 60 s  Power frequency withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  7 c © 0000, application-related testing  Gasoline resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min  | Diameter of single wires                   | 0,1 mm   |
| Conductor type (wire) strand class 6  Traversing distance (C-track) 5 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  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 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  Electrical resistance 1EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical 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) 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) 5 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  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 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  Elec 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  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) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | 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         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - wire)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 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       IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gil resistance       DIN EN 60811-404   Good, application-related testing         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.  | Conductor type (wire)                      | strand class 6   |
| Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 \( \Omega \)/km \( \omega \) 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV \( \omega \) 60 s  Power frequency withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  AC withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \omega \) 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \omega \) 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 \( \green \) 1100 FT2   UL 1581 \( \green \) 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion speed 35 cycles/min   | Traversing distance (C-track)              | 5 m @ 25 °C   horizontal                                       |
| Electrical resistance line constant wire 57 \( \Omega / \text{C} \)  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV \( \omega \) 60 s  Power frequency withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  AC withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \omega \) 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \omega \) 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 \( \green \) 1100 FT2   UL 1581 \( \green \) 1090  chemical resistance Good, application-related testing  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) 10 x Outer diameter  No. of torsion speed 35 cycles/min   | Current load capacity (standard)           | to DIN VDE 0298-4  |
| Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 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 IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  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 min. wire            | 6 A  |
| AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - jacket) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 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 IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  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   | Electrical resistance line constant wire   | 57 Ω/km @ 20 °C  |
| Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2 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  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  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  |
| (wire - jacket)  AC withstand voltage power (wire - wire)  2 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  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  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)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min  | AC withstand voltage power (wire - shield) | 2 kV @ 60 s  |
| 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  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  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)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min  |  | 2 kV @ 60 s  |
| 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 IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | AC withstand voltage power (wire - wire)   | 2 kV @ 60 s  |
| Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  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   | Min. operating temperature (static)        | -40 °C   |
| Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  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) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Max. operating temperature (fixed)         | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  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) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Operating temperature min. (dynamic)       | -25 °C   |
| chemical resistance       Good, application-related testing         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)       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                              |
| 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) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Flame resistance                           | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090            |
| Oil resistance DIN EN 60811-404   Good, application-related testing  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                              |
| 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                              |
| Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Oil resistance                             | DIN EN 60811-404   Good, application-related testing           |
| No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Bending radius (fixed)                     | 5 x Outer diameter   |
| Torsion speed 35 cycles/min   | Bending radius (dynamic)                   | 10 x Outer diameter  |
|   | No. of torsion cycles                      | 2 Mio.   |
|   | Torsion speed                              | 35 cycles/min  |
|   | Torsion stress                             | ± 30 °/m   |