

M12 female 0° A-cod. with cable shielded

PUR 3x0.34 shielded gy UL/CSA+drag ch. 1.5m

Female straight M12, 3-pole shielded

with cable sleeves

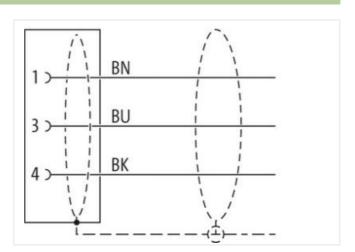
Plastic housings with good resistance against chemicals and oils.

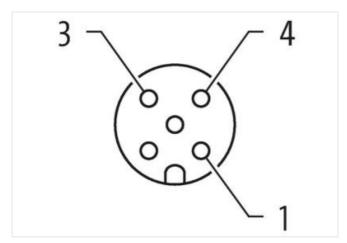
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

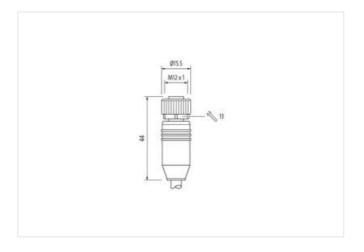
Link to Product

Illustration









Product may differ from Image













Cable length

1,5 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: 2024-04-23



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| 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 | 4048879811941 |
| Packaging unit | 1 |
| Electrical data Supply | |
| 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) | I |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | |
| Operating temperature 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 |
| | · · |

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| Amount size and in a straining 1 Amount size and in a straining 3 were twisted 3 Amount size and in a straining (pype) copper braid, trimed 3 Amount size and in a straining (pype) 80 % Banding Piece, Foll We arrangement braid (pype) Six C Cabbe weight For Amount size and the si | Type of Certificate | cURus |
|--|--|--|
| Cable shielding (type) copper braid, finned Cable shielding (coverage) 80 % Banding Fleece, Foll wire arrangement brown, black, bue No. of bending cycles (Citrack) 5 Mo. @ 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 Toferance outer diameter (sheath) 2 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter (sheath) 2 5 % Shore hardness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D Ingresient freeness wire insulation 7 5 5 Shore D <t< td=""><td>Amount stranding</td><td>1</td></t<> | Amount stranding | 1 |
| Cable shelding (coverage) 80 % Banding Fleece, Foll wire arrangement brown, black, blue No. of banding 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) 5 mm Outer-diameter (jacket) 5 mm Tolerance outer dameter (sheath) 5 mm Afterial 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 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient fre | Stranding | 3 wires twisted |
| Bandring Fleece, Folf brown, black, blue brown, blue b | Cable shielding (type) | copper braid, tinned |
| wire arrangement brown, black, blue No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 44 gm 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 (solatet) 2 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 incerance core insulation 1,25 mm Outer diameter (berance insulation) 1,25 mm | Cable shielding (coverage) | 80 % |
| No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable 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 Cuber-diameter (jacket) 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 16 Mm Ingredient freeness wire insulation 10 Mm Ingredient freeness wire insulation 10 Mm Ingredient freeness wire insulation 10 Mm Co | Banding | Fleece, Foil |
| Cable 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 (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter roblerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 shore D Unter diameter tolerance core insulation 70 ± 5 shore D Ingredient freeness wire insulation 70 ± 5 shore D Ingredient freeness wire insulation 10 mm 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 1 Current load capacity min. wire 6 A Electrical resistance line constant wire 5 7 0km @ 20 °C Nomania voltage power (wire - shield) | wire arrangement | brown, black, blue |
| 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 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5% Shore hardness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 Shore D Ingredient freeness wire insulation 2 ± 5 % Conductor type (wire) 33 mm² Traversing dividence (wire) 5 mm² ≥ 25 Shore D | 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 (shealth) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter losarace 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) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0259-4 Current load capacity (standard) 40 Nm me 25 °C <tr< td=""><td>Cable weigth</td><td>44 g/m</td></tr<> | Cable weigth | 44 g/m |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free | Material jacket | PUR |
| Outer-diameter (jacket) 5 mm 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) 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 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 - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (wire) 40 °C | Shore hardness jacket | 90 ± 5 Shore A |
| Tolerance outer diameter (sheath) | 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 Taversing 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 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 (slatic) -40 °C Max. operating temperature (mixed) | Outer-diameter (jacket) | 5 mm |
| Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter 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 ye (wire) stranded copper wire, bare Conductor vire (Chrack) 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 (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 (sixel) 80 °C / 90 °C @ 10000 h Operation Operating tempera | 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) 5 m@ 25 °C horizontal Current load capacity (standard) to DIN VE 0298-4 Current load capacity (standard) to DIN VE 0298-4 Current load capacity (wire-shield) 2 kV @ 60 s Nominal voltage power (wire-shield) 2 kV @ 60 s Nominal 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 90 °C @ 10000 h Operation Operating temperature (static) 40 °C 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature (static) 80 °C / 90 °C @ 10000 | 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 Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Flame resistance [EG 60332-22 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance <td>Amount wires</td> <td>3</td> | 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 (fixed) 80 °C / 90 °C @ 10000 h Operation Clamperating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 LI L 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance | 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) 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 RC 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 (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 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Min. 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 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 Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic | 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 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 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 × Outer diameter Bending radius (fixed) 10 × Outer diameter Bending radius (foynamic) 10 × Outer diameter Bending radius (foynamic) 25 Min. 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) 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 1EC 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 Bending radius (fixed) 5 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed | 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 \(\Omega \text{tm} \) @ 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) 4 kV @ 60 s AC withstand voltage power (wire - wire) 4 kV @ 60 s 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 1EC 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 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 \(\Omega \text{VM} \) @ 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 Oil resistance DIN EN 60811-404 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 mm ² |
| 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 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 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 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min | Traversing distance (C-track) | 5 m @ 25 °C horizontal |
| 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 - 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 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 - 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 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 - piacket) 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 × Outer diameter Bending radius (dynamic) 10 × 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 | 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) 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 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min | AC withstand voltage power (wire - wire) | 2 kV @ 60 s |
| Max. operating temperature (fixed) 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 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min | | -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 | | 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 |
| Bending radius (dynamic) 10 x Outer diameter 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 |
| Torsion speed 35 cycles/min | No. of torsion cycles | 2 Mio. |
| | | 35 cycles/min |
| | Torsion stress | ± 30 °/m |