

M12 female 0° A-cod. with cable shielded

PUR 4x0.34 shielded gy UL/CSA+drag ch. 10m

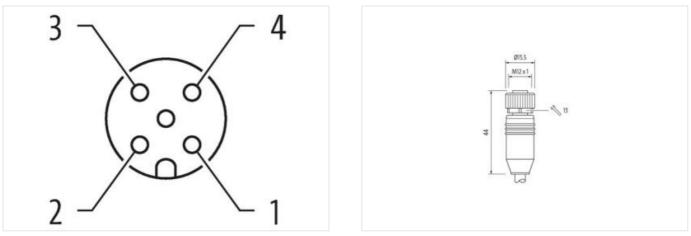
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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: 2024-04-26

10 m

0,6 Nm

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| Mounting method | inserted, screwed |
|--|---------------------------------------|
| Family construction form | M12 |
| Thread | M12 x 1 |
| Coding | Α |
| 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 | 4048879445504 |
| 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 | |
| | M12 x 1 |
| Mounting set | |
| 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 | |
| | 2/1 |
| Cable identification | 241 3 |
| Cable Type Jacket Color | |
| | gray |

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| Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Floeco, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50 5 g °n Material gacket PUR Shore hardmoss jacket 90 5 °S Freedom from ingredients (lacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Older diameter (lacket) 5 % Toleranco cuter diameter (shalth) 5 % Material vice insulation PP Anought wire insulation 125 °m Outer diameter tisulation 125 °m Diamet of singling wise 0,1 rm Conductor trops wire insulation 79 5 °S Nor D Diamet of singling wise 0,1 rm Conductor type (wire) stand coper wire, bare Canductor type (wire) stand coper wire, bare Conductor type (wire) Stande | Type of Certificate | cURus |
|---|--|--|
| Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Floeco, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 50 5 g °n Material gacket PUR Shore hardmoss jacket 90 5 °S Freedom from ingredients (lacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Older diameter (lacket) 5 % Toleranco cuter diameter (shalth) 5 % Material vice insulation PP Anought wire insulation 125 °m Outer diameter tisulation 125 °m Diamet of singling wise 0,1 rm Conductor trops wire insulation 79 5 °S Nor D Diamet of singling wise 0,1 rm Conductor type (wire) stand coper wire, bare Canductor type (wire) stand coper wire, bare Conductor type (wire) Stande | Amount stranding | 1 |
| Cable shielding (coverage) 80 % Banding Fleece, Fol Wie arrangement brown, black, blie, white No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 50,8 g/m Matorial Jackal PUR Shore handrass jackal 90 ± 5 Shore A Freedom from ingredents (jackat) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jackat) ± 5 % Andrail alvei insulation PP Annoutt wires 4 Outer diameter insulation 1,25 mm Ingredent freeness wire insulation 1,25 mm Ingredent freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter, wire insulation 1,25 mm | Stranding | 4 wires twisted |
| Banding Fieeco, Foll wire arrangement brown, black, blue, white No. of bending cycles (C-track) 5 Mi.e. Ø 25 °C Cablis wolgh 90.6 g/m Matarial jacket. PUR Store hardness jackal 90.5 5 Store A Freadom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer diameter (jacket) 5.3 mm Outer diameter (station) PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70.9 5 Shore D Ingredient freeress wire insulation 1.9 5 Shore D Ingredient freeress wire insulation 1.0 3 for PD Ingredient freeress wire insulation 1.0 mm Conductor yree insulation 1.0 mm Conductor wire Strandod copper wire, bare Conductor yree insulation 1.0 mm Conductor wire Strandod copper wire, bare Conductor yree (wire) 1.1 mm Conductor yree (wire) 1.2 mm Current load capacity min, wire <td>Cable shielding (type)</td> <td>copper braid, tinned</td> | Cable shielding (type) | copper braid, tinned |
| wire arangement brown, black, blue, white No. of bonding cycles (C-track) 5 Mio. @ 25 °C Cable weigh 50.6 g m Material jacket PUR Shore hardness jacket 90.1 5 Shore A Freedom fom ingredents (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Outer diameter (jacket) 5.3 mm Outer diameter isolation 25 % Amount wires 4 Outer diameter isolation 1.26 mm Outer diameter isolation 7.0 5 Shore D Ingredent freeness wire insulation 70.5 Shore D Ingredent freeness wire insulation 42 Diameter of single wires 0,1 nm Conductor rossescion (wire) 0.34 mm ² Diameter of single wires 5 % 25 °C) horizontal Conductor rossescion (wire) 5.2 % C Diameter of single wires 0,1 nm Conductor rossescion (wire) 0.34 mm ² Diameter of single wires 0,1 nm Conductor tybe (wire) 5.2 % C | Cable shielding (coverage) | 80 % |
| No. of bending cycles (C-track) 5 Mlo. @ 25 °C Cable weight 50.6 g/m Material Jacket PUR Shore hardness jacket 90.1 5 Shore A Freedom from ingredients (acket) 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (acket) ± 5 % Material Jacket PP Amount wires 4 Outer diameter (sheath) ± 5 % Material Jacket PP Amount wires 4 Outer diameter (sheath) 1.25 mm Dare drameter (sheath) 1.25 mm Cadie drameter (sheath) 1.25 mm Dare drameter (sheath) 1.25 mm Cadie drameter (sheath) 1.24 mm ^o Amount stands (wire) 0.34 mm ^o <t< td=""><td>Banding</td><td>Fleece, Foil</td></t<> | Banding | Fleece, Foil |
| Cable weight 50,8 g/m Material jacket PUR Shore hardness glock1 90 ± 5 Shore A Freedom from ingrodients (jacket) lead-free, cadmium free, CFC-free, halogen-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Normal Streeness wire insulation 1,42 mm Material conductor wire Stranded copper wire, Darge Conductor crosssection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, Darge Corrent load capacity (tandard) to INV VEE 6298-4 Current load capacity (tandard) to INV VEE 6298-4 Current load capacity (tandard) to INV VEE 6298-4 Current load capacity (tandard) to INV VEE 6298-4 <td< td=""><td>wire arrangement</td><td>brown, black, blue, white</td></td<> | wire arrangement | brown, black, blue, white |
| Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedon from ingredients (jacket) Iso 2 Shore A Freedon from ingredients (jacket) 5.3 mm Tolerance outer diameter (jacket) 5.3 mm Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 fshore D Ingredient freeness wire insulation 1.25 fshore D Ingredient freeness wire insulation 1.24 fsmm Conductor ressection (wire) 4.2 Danater of single wires 0,1 mm Conductor rossection (wire) 3.34 mm ² Conductor rypo (wire) strand class 6 Traversing distance (C+tack) 5 m @ 25 °C1 (horizontal Current load capacity (standard) to DIN VDE 2298-4 Current load capacity (standard) to DIN VDE 2298-4 </td <td>No. of bending cycles (C-track)</td> <td>5 Mio. @ 25 °C</td> | 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) 5.3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PF Anount wires 4 Outer diameter insulation 1.25 mm Outer diameter swire insulation 1.02 mm Conductor consess wire insulation 1.02 mm Conductor wire Stande copper wire, bare Conductor wire Stande copper wire, bare Conductor wire Stande copper wire, bare < | Cable weigth | 50,6 g/m |
| Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5,3 mmTolerance outer diameter (sheath) \pm 5 %Amount wires4Outer diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation70 \pm 5 %Shore hardness wire insulation70 \pm 5 %Shore hardness wire insulation70 \pm 5 %Shore hardness wire insulation12.64 free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount stands (wire)42Dameter of single wires0,1 mmConductor crossection (wire)0.34 mm²Conductor type (wire)Strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2 NV @ 60 sNominal voltage power (wire - wire)2 NV @ 60 sNominal voltage power (wire - wire)2 NV @ 60 sAC withstand voltage power (wire - wire)2 NV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (static)-25 °COperation50 °C / 90 °C @ 10000 h OperationFemereistanceGod. application-related test | Material jacket | PUR |
| Outer-diameter (jacket) 5,3 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter risulation 1.25 mm Outer diameter risulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164/fee, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of silpe wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Conductor vire Stranded copper wire, bare Conductor vire (wire) stranded copper wire, bare Conductor vire (wire) stranded copper vire, bare Conductor vire (wire) stranded copper vire, bare Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to VIN ØE 038 Moni | Shore hardness jacket | 90 ± 5 Shore A |
| Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient reneess wire insulation 1ea 4.7ee, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm³ Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 0/km 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (istalic) -40 °C Max. operating tempe | Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation PP Amount wires 4 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 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 mm ² Conductor vice Stranded copper wire, bare Conductor vice Stranded copper wire, bare Conductor vice Stranded copper wire, bare Conductor vice Strande Coste G 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 (standard) to DIN VDE 0298 4 Current load capacity (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) -25 °C <td>Outer-diameter (jacket)</td> <td>5,3 mm</td> | Outer-diameter (jacket) | 5,3 mm |
| Amount wires 4 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 corsessection (wire) 0,34 mm² Conductor viscessection (wire) 0,34 mm² Conductor visce 57 Q/km @ 20 °C Current load capacity (standard) to D/k V DE 028-4 Current load capacity min. wire 4,8 A | 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 70 ± 5 Shore D Amount stands (wire) 42 Dameter of single wires 0.1 mm Conductor trossesction (wire) 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0288-4 Standed bare power (wire - shield) 2 kV @ 60 s Nominal voltage power (AC max. 300 V AC withstand voltage power (wire - shield) | 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 cosssection (wire) 0.34 mm ² 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 (wire) 34 V@ @ 0 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire) 30 °C / 90 °C @ 10000 h Operation Operating temperature (fied) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fied) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fied) 80 ° | Amount wires | 4 |
| 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 cossection (wire) 0,34 mm ² 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 (strandard) to DIN VDE 0298-4 Current load capacity (strand voltage power (Wire - shile) 2 kV @ 60 s Nominal voltage power (Armax. 300 V AC withstand voltage power (Wire - shile) <t< td=""><td>Outer diameter insulation</td><td>1,25 mm</td></t<> | Outer diameter insulation | 1,25 mm |
| Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0.1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2 kV @ 60 sNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - isket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (kited)80 °C / 90 °C @ 10000 h OperationOperating temperature (kited)80 °C / 90 °C @ 10000 h OperationFlam resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOll resistanceDNE h06011-041 { Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Cuter diameterBending radius (dynamic)10 x Cuter diameterBending radius (dynamic)5 x Outer diameterDiameterDiameterStratesGood, application-related testingGasoline resistanc | Outer diameter tolerance core insulation | ± 5 % |
| Anount strands (wire)42Diameter of single wires0,1 mmConductor rosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationCharlen resistanceLu Sti § 1100 FT2 UL 1581 § 1000 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed) <td>Shore hardness wire insulation</td> <td>70 ± 5 Shore D</td> | 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 Current load capacity (standard) 2 kV @ 60 s Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (ixed) 80 | Ingredient 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) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 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 Mat. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) | Amount strands (wire) | 42 |
| Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sNominal voltage power (wire - shield)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN NEN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Diameter of single wires | 0,1 mm |
| Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 s(wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Conductor crosssection (wire) | 0,34 mm ² |
| Traversing distance (C-track)5 m @ 25 °C horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - shield)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (min. (dynamic))-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Material conductor wire | Stranded copper wire, bare |
| Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sCwire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Conductor type (wire) | strand class 6 |
| Current load capacity min. wire 4,8 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 - jacket) 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 min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline 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 <td>Traversing distance (C-track)</td> <td>5 m @ 25 °C horizontal</td> | 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 - wire) 2 kV @ 60 s AC 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) 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) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline 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 (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles <td< td=""><td>Current load capacity (standard)</td><td>to DIN VDE 0298-4</td></td<> | Current load capacity (standard) | to DIN VDE 0298-4 |
| Nominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Current load capacity min. wire | 4,8 A |
| AC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Nominal voltage power AC max. | 300 V |
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| Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 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 | Min. operating temperature (static) | -40 °C |
| Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation |
| Flame resistanceUL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min | Operating temperature min. (dynamic) | -25 ℃ |
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| 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 diameterNo. of torsion cycles2 Mio.Torsion speed35 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 |
| Torsion speed 35 cycles/min | No. of torsion cycles | 2 Mio. |
| Torsion stress + 30 °/m | Torsion speed | 35 cycles/min |
| | Torsion stress | ± 30 °/m |

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: 2024-04-26

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