

M12 male 0° A-cod. with cable

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

Male straight M12, 4-pole 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.

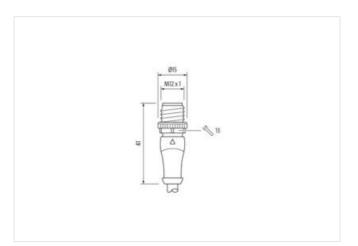
Link to Product

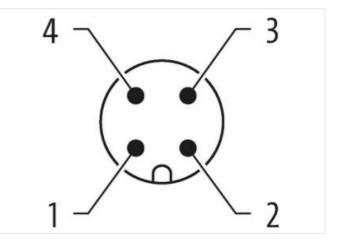


Illustration









Product may differ from Image



| Cable length | 3 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: 2024-05-18

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| Family construction form | M12 |
|---|--|
| Family construction form | M12 M12 × 1 |
| suitable for corrugated tube (internal Ø) | |
| | 10 mm A |
| Coding Material | A PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| | ורטס, ורטטת, ורטז |
| Commercial data | |
| ECLASS-6.0 | 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 | 4048879217774 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 250 V |
| Operating voltage DC max. | 250 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Installation Connection | |
| Mounting set | M12 x 1 |
| Device protection Electrical | |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 2,5 kV |
| Material group (IEC 60664-1) | 2,5 % |
| | • |
| 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 |
| Important installation notes | |
| | |
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Conformity | |
| Product standard | DIN EN 61076-2-101 (M12) |
| Installation Cable | |
| | |

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| Cable Ingeneration 634 Cable Type 9 Jacket Color black Type of Certificate cDNss Amount stramforg 1 Stranfing 4 wires average wire arrangement block, bloc, bl | wire arrangement | brown, black, blue, white |
|--|--|--|
| Jacket Colar black Type of Certificate CURus Amount standing 1 Stranding 4 wires twisted wire arrangement brown, black blue, while Cable weigh 36.3 µm Matterial jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Outer diamoter (stacket) 1.8 of Xee, cadmium-free, CFC-free, halogen-free, silicone-free Outer diamoter (stacket) 4.5 mm Tolerance outer diamoter (stacket) 2.5 %. Material wire insulation 1.25 mn Outer diamoter insulation 1.25 mn Outer diamoter (stacket) 1.25 %. Shore hardness wire insulation 1.25 Shore D Ingredient freeness wire insulation 1.25 Nm Outer diamoter of insulation 1.25 Nm Conductor rossection (wire) 0.34 mm² Material origin wires 4. Conductor rossection (wire) 0.34 mm² Material single wires 0.10 NUVD C2894 Conductor rossection (wire) 0.34 mm² Conductor wire <td>Cable identification</td> <td>634</td> | Cable identification | 634 |
| Type of Certificate cURus Armount stranding 1 Stranding 4 wices twisted wire arrangement brown, black, blue, white Cable weigh 58.3 gm Material jackat PUR Strone Marchess jackat 90.5 Shore A Freedom from ingedients (jacket) 16.4 free, communifice, CFC-free, halogen-free, silicone-free Outer diameter (jackat) 4.5 mm Tolerance outer diameter (silicalit) ± 5 % Arterial wire insulation 125 mm Outer diameter insulation 1.5 fr.m Outer diameter insulation 1.6 % Shore harchess wire insulation 1.6 % % Shore harchess wire insulation 1.6 % % Concurd diameter formance core insulation 1.6 % % Shore harchess wire insulation 1.6 % % Concurd diameter insulation 1.6 % % Shore harchess wire insulation 1.6 % % Consult strands (wire) 0.34 mm² Consult strands (wire) 0.34 mm² Consult strands (wire) 0.34 mm² Constactor kype (wire) stranded copper wire | Cable Type | 3 |
| Amount stranding 1 Stranding 4 wires kinated wire arrangement brown, black, blue, white Cable weight 96.3 g/m Material jackott PUR Stranding (ask) Dison handness jacket 90.4 5 Shore A Freedom from ingredients (glacket) lead-free, cadmum-free, CPC-free, halogen-free, silicone-free Outer diameter (glacket) 2.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter to insulation 1.25 from Outer diameter to insulation 1.25 from Outer diameter to insulation 1.25 Shore D Ingredient feorenses wire insulation 1.26 Shore D | Jacket Color | black |
| Stranding 4 wires itwisted wire arrangement brown, black, blue, white Cable weigh 36.3 g/m Matorial jacket PUR Shore handness jacket 90.1 5 Shore A Freedom from ingredients (jacket) 16.4 stree, cadmium free, CFC free, halogen-free, silicone-free Outer diameter (gacket) 4.5 mm Tolerance outer diameter (sheath) 5 5 % Amount wires 4 Outer diameter insulation 125 mm Outer diameter insulation 125 mm Outer diameter insulation 70.4 5 Shore D Ingredient Tolenase wire insulation 125 mm Outer diameter site insulation 126 mm Outer diameter insulation 126 mm Outer diameter site insulation 128 mm Outer diameter site insulation 128 mm Outer diameter wire insulation 128 mm Outer diameter insulation 128 mm Outer diameter wires wire insulation 10.4 mm Conductor type (wire) 0.1 mm Conductor type (wire) strand dess 6 Outer diameter wires wire insulation | Type of Certificate | cURus |
| wire arrangement brown, black, blue, white Cable weight 36.3 g/m Maticial jacket PUR Shore hardness jacket 90.5 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Toferance outer diameter (loeketh) 1.5 % Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70.4 5 Shore D Ingredient freemess wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 % Diameter of single wires 0.1 mm Conductor views 0.34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded case 6 Normal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (standard) to DIN VDE 0298.4 Current load capacity (withstand voltage (wire wire) 2.5 kV @ 60 s | Amount stranding | 1 |
| Cable weight 36,3 g/m Material jacket PUR Shore hardness jaket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (shealth) ± 5 % Material diameter (sublation PP Amount wires 4 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 Conductor crosssection (wire) 0.44 mm ² Conductor vires Stranded copper wire, baire Outer diameter of splane wires 0.1 mm Conductor vire Stranded copper wire, bare Conductor vire (wire) 0.34 mm ² Carrent load capacity rinits, wire 4.8 A | Stranding | 4 wires twisted |
| Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-tree, calilizone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) 4,5 mm Material Wire Insulation PP Armount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 1,24 mm Mount stands (wire) 42 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,34 mm ² Conductor type (wire) Starad class 6 Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 | wire arrangement | brown, black, blue, white |
| Shore hardness jackel 90 ± 5 Shore A Freedom from ingredients (jacket) lead free. cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolarance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance ocere insulation 1.25 mm Outer diameter tolerance ocere insulation 1.24 mm Ingredient freeness wire insulation 1.24 mm Conductor rows wire insulation 1.24 mm Conductor roy free (wire) 0.34 mm ² Conductor roy free (wire) 0.34 mm ² Conductor roy free (wire) 0.34 mm ² Conductor ry free (wire) 0.43 mm ² Conductor ry free (wire) 0.43 mm ² Conductor ry free (wire) 0.54 mm ² Conductor ry free (wire) 2.5 kV Ø 60 s Conductor ry free (wire) 2.5 kV Ø 60 s Power freequency withstand volta | Cable weigth | 36,3 g/m |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) 5 % Material wire insulation PP Amount wires 4 Outer diameter (insulation 1.25 mm Outer diameter (insulation 70 ± 5 Shore D Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.11 mm Conductor or cossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor or cossection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor or cossection (wire) 0.54 mm² Carrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0290 °C Act witstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Min. operat | Material jacket | PUR |
| Outer-diameter (acket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (statation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation ie 5 % Shore hardness wire insulation iead-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 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (strandard) to DIN VDE 0289-4 Max operating temperature max. (dynamic) 2.5 KV Ø 60 s Min. | Shore hardness jacket | 90 ± 5 Shore A |
| Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Anount wires 4 Outer diameter insulation 1.25 mm Outer diameter folerance core insulation 1.5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient treeness wire insulation 16ad 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 ⁴ Material conductor wire Stranded copper wire, bare Conductor rosssection (wire) 0.34 mm ⁴ Mominal voitage AC max. 300 V Current load capacity (stinadard) to DIN VDE 0298-4 Current load capacity (stinadard) to DIN VDE 0298-4 Current load capacity (wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Ac withstand voitage (wire - wire) 2,5 kV @ 60 s Mix. operating temperature (fixed) 60 °C / 90 °C @ 10000 h Operation Operating temperature (static) -40 °C Hane resistance DiN EN ISO 4882-2 A <td< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></td<> | Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation PP Amourt Wries 4 Outer diameter insulation 1.25 mm Outer diameter insulation 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 125 mm Outer diameter (view) 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 Nominal voltage AC max. 300 V Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Okm @ 20 °C AC withstand voltage (wire - vire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - vire) 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1000 I POE 1600 Moga 2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance Good, application-r | Outer-diameter (jacket) | 4,5 mm |
| Amount wires 4 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 Nominal voltage AC max. 000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C | 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 osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor osseschion (wire) 0,34 mm² Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (strandard) to DIN VDE 0298-4 Carrent load capacity (strandard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - (strandar | Material wire insulation | PP |
| Outer diameter tolerance core insulation \pm 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor vossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sPower frequency withstand voltage (wire - stand voltage (wire - stacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - stacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax operature generature (static)-40 °COperating temperature (static)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingO | 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 rossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4832-2 A Flame resistance G | 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 rossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 Ωkm @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - site) 2.5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related tes | 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Galier esistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x | 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 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - incomparity emperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (mix. (dynamic)) -25 °C Operating temperature fixe, dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance D | Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGold resistanceGood, application-related testingGold application-related testing5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles2 Mio.Traver sign distance (C-track)10 Mio. @ 25 °C | Amount strands (wire) | 42 |
| Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - is for Q/km @ 20 °C AC withstand voltage (wire - wire) AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - is for Q °C AC with stand voltage (wire - wire) Ac with stand voltage (wire - wire) 2,5 kV @ 60 s Min: operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 </td <td>Diameter of single wires</td> <td>0,1 mm</td> | Diameter of single wires | 0,1 mm |
| Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V 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 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C 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 UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Oil resistance Good, applicati | Conductor crosssection (wire) | 0,34 mm ² |
| Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 (2/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (isted)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-22-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | 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 wire $57 \Omega/km @ 20 °C$ AC withstand voltage (wire - wire) $2,5 kV @ 60 s$ Power frequency withstand voltage (wire - jacket) $2,5 kV @ 60 s$ Min. operating temperature (static)-40 °CMax. operating temperature (fixed) $80 °C / 90 °C @ 10000 h Operation$ Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic) $80 °C / 90 °C @ 10000 h Operation$ UV resistanceDIN EN ISO 4892-2 AFlame resistanceLL 1581 § 1000 JEC 60332-2-2 J UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingIntravel speed (C-track)10 Mio. @ 25 °CTraver speed (C-track)10 m @ 25 | Conductor type (wire) | strand class 6 |
| Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - intervention of the second o | Nominal voltage AC max. | 300 V |
| Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance UL 1581 § 1090 EC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Traversing distance (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m | Current load capacity (standard) | to DIN VDE 0298-4 |
| AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 10 m @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Traversing distance (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m | Current load capacity min. wire | 4,8 A |
| Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing No. of bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m | Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| jacket) 2.5 kV @ b0 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 UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Dix A Outer diameter Bending radius (fixed) Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 | AC withstand voltage (wire - wire) | 2,5 kV @ 60 s |
| Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | | 2,5 kV @ 60 s |
| Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Min. operating temperature (static) | -40 °C |
| Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin resistanceGood, application-related testingOil resistanceGood, application-related testingDin resistanceGood, application-related testingDin resistanceGood, application-related testingDin gradius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation |
| UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Operating temperature min. (dynamic) | -25 °C |
| Flame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Operating temperature max. (dynamic) | 80 °C / 90 °C @ 10000 h Operation |
| chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | UV resistance | DIN EN ISO 4892-2 A |
| Gasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Flame resistance | UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 |
| Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | chemical resistance | Good, application-related testing |
| Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Gasoline resistance | Good, application-related testing |
| Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | | Good, application-related testing DIN EN 60811-404 |
| No. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Bending radius (fixed) | 5 x Outer diameter |
| Traversing distance (C-track) 10 m @ 25 °C horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m | Bending radius (dynamic) | |
| Travel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | No. of bending cycles (C-track) | 10 Mio. @ 25 °C |
| No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m | Traversing distance (C-track) | 10 m @ 25 °C horizontal |
| Torsion stress ± 180 °/m | Travel speed (C-track) | 3 m/s @ 25 °C |
| | No. of torsion cycles | 2 Mio. |
| Torsion speed 35 cycles/min | Torsion stress | ± 180 °/m |
| | Torsion speed | 35 cycles/min |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18

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