

M12 female 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 15m

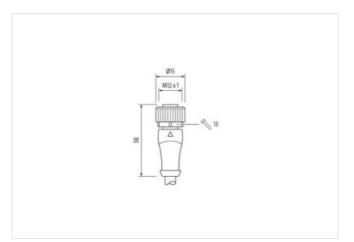
Female straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

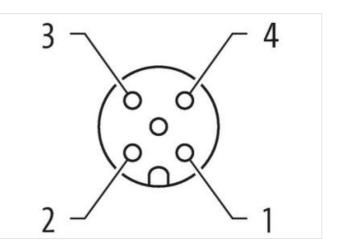
Link to Product











Product may differ from Image



| Cable length | 15 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 |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 10 mm |
| Coding | A |
| Material | PUR |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Commercial data | ,, - |
| | |
| ECLASS-6.0 | 27279218 |
| ECLASS-7.0 ECLASS-8.0 | 27279218 27279218 |
| ECLASS-0.0 ECLASS-9.0 | 27060311 |
| ECLASS-9.0 ECLASS-10.1 | 27060311 |
| ECLASS-10.1 ECLASS-11.1 | 27060311 |
| ECLASS-11.1 ECLASS-12.0 | 27060311 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879212052 |
| 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) | |
| 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 | |

Murrelektronik bv | Noorderlaan 147-b9 | B-2030 Antwerpen | Fon +32 (0)380 868 81 | Fax | shop@murrelektronik.be | shop.murrelektronik.be



| Cable Ingen634Cable Tope5Jackot ColorblackType of Certificatec/HsisAnount stranding1Stranding4 wires availedwire arrangementborow, black, blue, whiteCable Suge604 5 g brMaterial jacket904 5 g brMaterial jacket904 5 S bore ADore Machanes jacket904 5 S bore ATolerance auter diameter (beam)4 5 mTolerance auter diameter (beam)4 5 mTolerance auter diameter (beam)4 5 %Amount stranding4Charler weight5 %Amount wires4Charler weight5 %Amount wires4Charler weight125 mmCharler weight125 mmCharler weight125 mmCharler weight125 mmCharler diameter installation12 5 Since DCharler diameter installation12 5 Since DCha | wire arrangement | brown, black, blue, white |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------------------------------|
| Jackat Cobr black Type of Cartificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weigh 36 g/m Material jacket PUR Shone hardness jacket PUR Shone hardness jacket PUR Outer diameter (stack) 4.5 mm Outer diameter (stack) 4.5 mk Outer diameter (stack) 5 % Material ameter (stack) 5 % Material wire insulation 1.25 mm Outer diameter titerance core insulation 1.25 mm Outer diameter titerance core insulation 7.0 5 Shore D Ingredient treeness wire insulation 1.25 Shore D Ingredient treeness wire insulation 1.85 % Schore hardness wire insulation 1.95 % hore Material direct (wire) 0.34 mm² Canduct crosssection (wire) 0.34 | Cable identification | 634 |
| Type of Certificate cURus Amount stranding 1 Stranding 4 wices twisted wire arrangement brown, black, blue, white Cable weigh 58.3 g/m Material jacket PUR Strone hardness jacket 90.5 Shore A Freedom from ingedients (tacket) 4.5 mm Colar-andere (jacket) 4.5 mm Colar-andere (jacket) 4.5 mm Colar-andere (jacket) 4.5 mm Colar-andere (jacket) 1.25 mn Outer diameter invalation 1.25 mn Conductor programs wire invalation 1.0 MP Conductor programeter invalat | Cable Type | 3 |
| Amount stranding 1 Stranding 4 wires transperson Wrie arrangement brown, black, ble, whte Cable weight 36.3 g/m Material jackat PUR Stranding jackat 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Outer-diameter (jacket) 1 5 % Material jackat 90 ± 5 Shore A Freedom from ingredients (jacket) 1 5 % Material weir insulation PP Amount wires 4 Outer diameter (jacket) 1 25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 10 ± 5 % Shore hardness wire insulation 10 ± 5 % Mount strands (wire) 42 Diameter to lense vice insulation 18 ± % Shore hardness wire insulation 18 ± 10 ± 000000000000000000000000000000 | Jacket Color | black |
| Stranding 4 wire strwited wire arrangement brown, black, blew, white Cable weigh 36,3 ym Material jacket PUR Shore hardness jackot 90.1 5 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance ouler diameter (jacket) 4.5 fm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70.5 Shore D Ingredient freeness wire insulation 1.25 mm Outer diameter insulation 70.5 Shore D Ingredient freeness wire insulation 1.26 mm Outer diameter insulation 1.26 mm < | Type of Certificate | cURus |
| wire arrangement brown, black, blue, white Cable weigh 36.3 g/m Material jacket PUR Shore hardness jacket 90.5 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter (jacket) 1.5 % Tolerance outer diameter (jacket) 4.5 mm Tolerance outer diameter (jacket) 1.5 % Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 % Shore hardness wire insulation 1.26 mm Outer diameter insulation 1.27 mm Outer diameter insulation 1.27 mm Outer diameter insulation 1.27 mm Outer diameter insulation 1.28 mm Outer dinseacone insulation 0.1 mm </td <td>Amount stranding</td> <td>1</td> | Amount stranding | 1 |
| Gable weight 36.3 g/m Material jacket PUR Shore hardness jacket 90 1 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 (sealed) 4.5 %. Material wire insulation PP Arnourt Wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 70.4 5 Shore D Ingredient freeness wire insulation 4.4 Conductor crosssection (wire) 0.34 mm ² Conductor crosssection (wire) 0.34 mm ² Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded cosper vire, bare Conductor vire Stranded cosper vire, bare Conductor vire Stranded cosper vire, bare Conductor vire Vire 4.8 A Electrical resistance 10 N VDE 0298-4 Current load copacity rints. wire 2.5 kV @ 60 s Power freque | Stranding | 4 wires twisted |
| Naterial jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (jacket) 4.5 mm Tolerance outer diameter (jacket) 4.5 mm Outer diameter insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient treeness wire insulation 1.42 mm Conductor crossection (wire) 4.2 Diameter of single wires 0.1 mm Conductor crossection (wire) 0.34 mm ² Conductor crossection (wire) 0.34 mm ² Conductor crossection (wire) 3.34 mm ² Conductor rowsection (wire) 5.5 kW @ 80 s Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) to DIN VDE 029 | wire arrangement | brown, black, blue, white |
| Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium free, CPC-free, halogen-free, silicone-free Outer diameter (akehath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter wire insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 1,25 mm Outer diameter sew insulation 10,4 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CPC-free, halogen-free, allicone-free Amount wire 0,4 mm Conductor type (wire) 0,34 mm ² 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 57.0 km @ 20 ° C AC withstand voltage (wire - wite) 2,5 kV @ 60 s Power frequency withstand voltage (wire - glackal) 2,5 kV @ 60 s Min. operating temperature (static) -40 ° C Max. operating temperature (static) -25 ° C | 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 1,25 mm Outer diameter (insulation 70 ± 5 Shore D Ingredient freeness 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 sossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor tograssection (wire) 0,34 mm ² Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0289-4 Current load capacity (standard) to DIN VDE 0280-4 Current load capacity (standard) to DIN VDE 0280-4 Current load capacity (standard) to DIN VDE 0280 °C AC withstain vol | Material jacket | PUR |
| Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor type (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strande class 6 Nominal voltage AC max. 300 V Current load capacity (stindard) to DIN VDE 0298-4 Current load capacity (stindard) to DIN VDE 0298-4 <t< td=""><td>Shore hardness jacket</td><td>90 ± 5 Shore A</td></t<> | 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 Iolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164 5 Shore D Ingredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor rosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor rosssection (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 2,5 kV @ 60 s Min- operating temperature (static) -40 °C Max operating temperature (static) -40 °C Max operating temperature (static) -25 °C Operating temperature (static) -8 | Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation PP Amount Wries 4 Outer diameter insulation 1,25 mm Outer diameter insulation 2 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1e3 % Shore hardness wire insulation 1e3 % Ingredient freeness wire insulation 1e3 % Diameter of single wires 0,1 mm Conductor cossesction (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 min. wire 4.8 A Electrical resistance line constant wire 57 C/Km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - inflex) 4.0 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max operating temperature (static) -40 °C Max operating temperature (static) -40 °C Max operating temperature (static) -40 °C | 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 orsessection (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 (wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - 2.5 kV @ 60 s S Power frequency withstand voltage (wire - 2.5 kV @ 60 s S Power frequency withstand voltage (wire - 2.5 kV @ 60 s S Power frequency withstand voltage (wire - 2.5 kV @ 60 s S Derating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operati | 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 Treeness wire insulation tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor orsessection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor toge (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 298-4 Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 4.8 A Electrical resistance line constant wire 57 Gkm @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - jackot) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Opperating temperature min. (dynamic) 60 °C /90 °C @ 10000 h Operation UV resistance UI 181 § 1009 I IEC 680322-22 I UL 1581 § 1100 FT2 c | Material wire insulation | PP |
| Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vires Stranded copper wire, bare Conductor (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor (yeive) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wint- wire) 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 (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (static) -25 °C Operating temperature (static) 80 °C / 90 °C @ 100000 h Operation | 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 rosseection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strant 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 Operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -25 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation <td>Outer diameter insulation</td> <td>1,25 mm</td> | Outer diameter insulation | 1,25 mm |
| Ingredient freeness wire insulation lead-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossesction (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 Mix operating temperature (static) -2.5 kV @ 60 s Power frequency withstand voltage (wire - vire) 2.5 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating t | 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 - 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 Gareiline resistance Good, application-related testing Oil resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter | 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 - wire) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mixed) 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 <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td> | 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 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 (standard) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iscket) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature max. (dynamic) 22 °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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-relate | Amount strands (wire) | 42 |
| Material 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 min. wire4.8 AElectrical resistance line constant wire57 D/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - interpretation of the constant wire)2.5 kV @ 60 sNin. operating temperature (static)-40 °CMax. 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 OperationUV resistanceDIN EN ISO 4592-2 AFlame resistanceUL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testin | 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 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 - ispected with a voltage (voltage ispected with a voltage (voltage ispected with a voltage (voltage ispec | 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 Q/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 (iscd)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 testingDirectore (C-track)10 Nio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C horizontalTravel speed (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 wire57 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 (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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingTraversing distance (C-track)10 Mio. @ 25 °C< | Conductor type (wire) | strand class 6 |
| Current 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) $2,5 kV @ 60 s$ Nin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature min. (dynamic)-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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin gradius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Traversing distance3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress $\pm 180 °/m$ | 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 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 DIN EN 60811-404 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 horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 Mio. | 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 Mio. @ 25 °C 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 | Current load capacity min. wire | 4,8 A |
| Power frequency withstand voltage (wire - jacket)2,5 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 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 testingDi no @ 25 °C10 N c Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m | Electrical resistance line constant wire | 57 Ω/km @ 20 °C |
| jacket)2.5 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 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 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 | 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 testing IDIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending 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 testingNo. of 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 | 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 testingOil 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 | 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 resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C 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 | Flame resistance | UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 |
| Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 10 Mio. @ 25 °C 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 | chemical resistance | Good, application-related testing |
| 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 horizontal Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 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 | Oil resistance | Good, application-related testing DIN EN 60811-404 |
| No. of bending cycles (C-track) 10 Mio. @ 25 °C 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 (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) | 10 x Outer diameter |
| Travel speed (C-track) 3 m/s @ 25 °C No. of torsion cycles 2 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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