

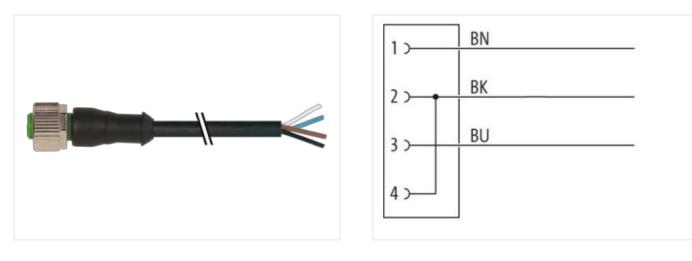
M12 female 0° A-cod. with cable

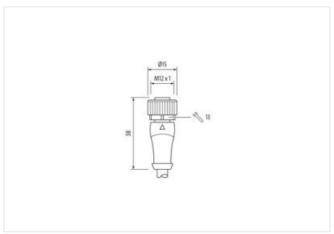
PUR 3x0.34 bk UL/CSA+drag ch. 7.5m

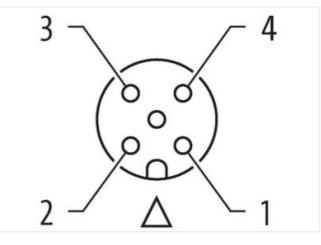
Female straight M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

7,5 m

0,6 Nm

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: 2024-05-21



| Mounting method | inserted, screwed |
|---|---------------------------------------|
| Coating contact | gold plated |
| Family construction form | M12 |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal \emptyset) | 10 mm |
| Coding | A |
| Material contact | Copper alloy |
| Material | PUR |
| No. of poles | 4 |
| Width across flats | SW13 |
| Degree of protection (EN IEC 60529) | IP65, IP66K, IP67 |
| Side 2 | |
| Stripping length (jacket) | 20 mm |
| Coating contact | gold plated |
| 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 | 4048879214452 |
| 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 |
| Diagnostics | |
| Status indication LED | no |
| Installation Connection | |
| | |
| Stripping length (jacket) | 20 mm |
| 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) | I |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Coating of fitting | nickel plated |
| Material gasket | FKM |
| Locking material | Zinc die-casting |
| Material screw connection | Zinc die-casting |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| rmation in this Product-PDF has been compiled with th | |

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| Cable weight29,7 g/mMaterial jacketPURShore hardness jacket90 ± \$ Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires3Outer diameter tolerance core insulation1.25 mmOuter diameter tolerance core insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1.24 mm²Conductor orossection (wire)0.34 mm²Material conductor wireStranded coper wire, bareConductor rops section (wire)300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity withstand voltage (wire - jackel) $25 kV @ 60 s$ | Environmental characteristics Climatic | |
|---|--|--|
| Additional condition temperature range depending on cable quality importent Installation noise Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable lies. Note on sharing radiu? Attention: Cheere the permissible bending tradii when laying cables, as the IP protection class can be endangered by exceesive bending forces. Contomity DN IN 81078-2-101 (M12) Installation Class DN IN 81078-2-101 (M12) Installation Class Bio Non, Mack, Sule Cable infeention Bi3 Cable infeention Bi3 Jacket Cloor Back Dype of Centrice cliffus Amount Stranding 1 Stranding Sines heristad We arrangement brown, Back, Sule Stranding Sines heristad Weartal packet PUR Strandings pixel 9.25 Strone A Freedom from ingrediuntis (jacket) A.1 mm. Outer diameter (incloce) 4.1 mm. Outer diameter fuection 5.5 from A Freedom from ingrediuntis (jacket) 4.3 mm. Outer diameter installation 1.5 from Outer | Operating temperature min. | -25 °C |
| Additional condition temperature range depending on cable quality Important Installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee. Note on bending radiu Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endagered by excessive bending tradis. Contomity Endettion of the permissible bending radii when laying cables, as the IP protection class can be endettion to the permissible bending tradis. Cable inference DIN DE (076 2-101 (M12) Installation (Cable Bial We arrangement brown, black, blue Cable inference alferia Anound Stranding 1 Stranding 3 when twited wire arrangement brown, black, blue Cable inference alferia Stranding 3 when twited wire arrangement brown, black, blue Stranding 25 Store A Freedom from ingrediantis (gikekt) 42 Store A Cade dameter installation 12 Store A Freedom from ingrediantis (gikekt) 43 free. Outer diameter installation 12 Store A Cade dameter installation | Operating temperature max. | 85 °C |
| Important installation notes Vento the connectors by suitable measures from mechanical loads, e.g. by the usage of cable les. Note on banding radius Attention: Observe the permissible bending radii when laking cables, as the IP protection class can be exchangered by excessive bending forces. Contornity Image: Contornity Product standard DIN EN 61076 2-101 (M12) Image: Contornity Image: Contornity Vinto arrangement Down, black, blue Cable information E33 Cable Contornity Sale Color Sale Color Back Cable Control Deven, black, blue Cable Control Sale Color Sale Color Sale Color Cable Sale Color Sale Color Sale Color Sale Color Sale Color Sale Color Sale Color Sale Color Cable Sale Color Sale Color Sale Color Sale Color | Additional condition temperature range | depending on cable quality |
| Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on bording radius Extention: Observe the permissible bording tradis when laying cables, as the IP protection class can be endungened by excessible bording tradis. Contromity Product standard Down, Diack, Diue Installation[Cable With R 1076 2-101 (M12) Diack With a gragement Down, Diack, Diue Cable Cable Standard Down, Diack, Diue Cable Cable Standard Down, Diack, Diue Cable Cable Standard Down, Diack, Diue Cable Standard Diack Opper of Carification Gaid Cable Standard Diack Answert stranding 1 Strandard Diack Strandard Diack Strandard Diack Strandard Diack Strandard Diack Strandard Diack Strandard Strandard Strandard Strandard Strandard Strandard Strandard Strandards Diack Strandard Diack Strandard Diack Strandard Strandard Strandard Strandards Dis Strandard Diack Strandard | Important installation notes | |
| Note on bending radius Attention: Coscore the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Contornity Product standard DIN EN 61075-2101 [M12] Installation I Cable University Standard View anangement brown, black, blue Control Cable iodinilication 53 Control Cable Color black Control Standard Type of Calificate CURus Annual standard Control Standardy 3 vires lavialed Standardy Standardy <thstandardy< th=""> Standardy <thstandardy< td="" th<=""><td></td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties</td></thstandardy<></thstandardy<> | | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties |
| Note of mediating radius endangered by excessive bending forces. Conformity endangered by excessive bending forces. Product standard DIN EN 61076-2:101 (M12) Institution Cable unit of the standard s | | |
| Product standard DIN EN 61076-2.101 (M12) installion (Cable wite arrangement brown, black, blue Cable information 633 Cable information 633 Cable information 633 Cable Topo 3 Jacker Color black Type of Certificate culRus Amount stranding 1 Stranding Swies twisted Stranding Swies twisted Cable weight 25.7 g/m Material jackat PUN Cable weight 25.7 g/m Material jackat PUN Foredom from ingredients (jacket) 16.4 fore, conditum/free, CFC-free, halogen-free, silcone-free Outer diameter (subation PP Amount wites 3 Outer diameter insulation 15.5 fore A Shore hardness wite insulation 19.5 Shore D Outer diameter insulation 19.5 Shore D Outer diameter insulation 19.5 Shore D Conduct type wite insulation 19.5 Shore D Dinanter of single wrise 0.1 mm | Note on bending radius | |
| Installation Cable wite arrangement brown, black, blue Cable identification 633 Cable Type 3 Jackel Color black Type of Certificatie CUBus Annount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable wight 29.7 g/m Material jacked PUR Shore hardness jacket 90.5 Shore A Foreed northmoring redients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer-diameter (gacket) 4.1 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Annount wires 3 Outer diameter (sheath) 1.5 % Material wire insulation 1.25 smm Cuter diameter (sheath) 2.5 % Store bardness wire insulation 7.9 5 Shore D Ingredient freeness wire insulation 7.9 5 Shore D Ingredient freeness wire insulation 7.9 5 Shore D Conductor type (wire) 0.1 mm <td< td=""><td>Conformity</td><td></td></td<> | Conformity | |
| wire arrangementbrown, black, blueCable infication633Cable infication633Jacket ColorblackUPUsCalificationAnount stranding1Stranding3 wirces twistedwire arrangementbrown, black, blueCable weight29,7 ymMaterial jacketPURStore hardness jacket90 s 5 Shore AFreedom from ingredents (jacket)84,7 ser.Outer diameter (jacket)1,1 mmTolerance outer diameter (jacket)2,5 %Annount stranding1,25 mmOuter diameter (iacket)1,5 %Outer diameter insulationPPAnnount stranding (wire)2,5 %Norn hardness wire insulation70 s 5 Shore DIngredient fireeness wire insulation70 s 5 Shore DIngredient fireeness wire insulation70 s 5 Shore DIngredient fireeness wire insulation1,1 mmConduct crosssection (wire)42Diameter os single wires0,1 nmConductor crosssection (wire)0,34 mm ³ Material vire insulation0,1 strandi Copper wire, bareConductor crosssection (wire)5 AConductor crosssection (wire)6 A | Product standard | DIN EN 61076-2-101 (M12) |
| Cable identification 633 Cable Vpe 3 Jackel Color black Type of Cartificate cURus Annunt stranding 1 Stranding 3 wires twisted wire arrangement brown. black, blue Cable weight 29,7 g/m Material jacket PUR Shore hardness jacket 90 + 5 Shore A Freedom from ingredents (jacket) 4,1 nm Toler-acco user diameter (jacket) 4,1 nm Tolerance outer diameter (jacket) 4,1 nm Tolerance outer diameter (jacket) 5 % Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer | Installation Cable | |
| Cable identification 633 Cable Vpe 3 Jackel Color black Type of Cartificate cURus Annunt stranding 1 Stranding 3 wires twisted wire arrangement brown. black, blue Cable weight 29,7 g/m Material jacket PUR Shore hardness jacket 90 + 5 Shore A Freedom from ingredents (jacket) 4,1 nm Toler-acco user diameter (jacket) 4,1 nm Tolerance outer diameter (jacket) 4,1 nm Tolerance outer diameter (jacket) 5 % Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer | wire arrangement | brown, black, blue |
| Jacket Color black Type of Certificate CURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement brown, black, blue Cable weight 29,7 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.1 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter (jacket) 1.25 mm Outer diameter insulation 1.25 mm Conductor wei insulation 1.25 mm Conductor vise insulation 1.25 mm Conductor wei insulation 1.25 mm Conductor wei insulation 1.25 mm <td>-</td> <td></td> | - | |
| Type of Certificate cL/Rus Amount stranding 1 Stranding 3 wires twisted wire arrangement brown, black, blue Cable weight 29,7 g/m Material jackst PUR Shore hardness jackst 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4 f nm Tolerance outer diameter (sheath) ± 5 % Material invie insulation PP Amount wires 3 Outer diameter (insulation 1.25 mm Outer diameter insulation 1.25 mm North admeter sinsulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.26 from Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free North strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded cogper wire, bare Conductor type (wire) 0, | Cable Type | 3 |
| Amount stranding1Stranding3 wires twistedWree arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 6 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4.1 mmTolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAnnount wires3Outer diameter insulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient Teeness wire insulation70 ± 5 Shore DIngredient Teeness wire insulation70 ± 5 Shore DIngredient Teeness wire insulation1.24 %Conduct or cossection (wire)0.34 mm²Conductor crossection (wire)0.34 mm²Conductor type (wire)Strand decoper wire, bareConductor type (wire)Strand decoper wire, bareConductor type (wire)57 Ω km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower fraquency withstand voltage (wire)2.5 kV @ 60 sMin. operating temperature (tstaic)40 °C 10000 h OperationOperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)25 °C | Jacket Color | black |
| Amount stranding1Stranding3 wires twistedWree arrangementbrown, black, blueCable weigth29,7 g/mMaterial jacketPURShore hardness jacket90 ± 6 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4.1 mmTolerance outer diameter (sheath) \pm 5 %Material wire insulationPPAnnount wires3Outer diameter insulation1.25 mmOuter diameter insulation70 ± 5 Shore DIngredient Teeness wire insulation70 ± 5 Shore DIngredient Teeness wire insulation70 ± 5 Shore DIngredient Teeness wire insulation1.24 %Conduct or cossection (wire)0.34 mm²Conductor crossection (wire)0.34 mm²Conductor type (wire)Strand decoper wire, bareConductor type (wire)Strand decoper wire, bareConductor type (wire)57 Ω km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower fraquency withstand voltage (wire)2.5 kV @ 60 sMin. operating temperature (tstaic)40 °C 10000 h OperationOperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)25 °C | Type of Certificate | cURus |
| wire arrangementbrown, black, blueCable weight29,7 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,1 mmTolerance outer diameter (jacket)4,5 %Material wire insulationPPArnount wires3Outer diameter (jacket)1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation1,25 mmOuter diameter insulation70 ± 5 Shore DShore hardness wire insulation70 ± 5 Shore DArnount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0,34 mm ⁹ Material outcource wireStranded coper wire, bareConductor type (wire)strande class 6Nominal voltage AC max.300 VCurrent load capacity min. wire6 AElectrical resistance line constant wire57 (Nm 20 °CAc withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)80 °C / 90 °CAc withstand voltage (wire - wire)25 °COperating temperature (isket)80 °C / 90 °C 0 10000 h OperationOperating temperature (isket)80 °C / 90 °C 0 10000 h OperationOperating temperature (isket)80 °C / 90 °C 0 10000 h OperationOperating temperature (isket)80 °C / 90 °C 0 10000 h OperationOperating temperature (isket)80 °C / 90 °C 0 10000 h Operation <td></td> <td>1</td> | | 1 |
| Cable weight 29,7 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter rolerance core insulation 1.25 mm Outer diameter lolerance core insulation 1.4 5 % Shore hardness wire insulation 1.4 5 Shore D Ingredient freeness wire insulation 1.8 Shore bardness for Shore D Onductor drossection (wire) 0.34 mm² Conductor wire Strand decopper wire, bare Conductor type (wire) strand class 6 Normal total capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 | Stranding | 3 wires twisted |
| Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, OFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter lolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Nouter filmeter freeness wire insulation 12.5 mm Outer diameter lolerance core insulation 12.5 mm Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor type (wire) 0.34 mm² Material conductor wire Strande dosper 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 Curent load capacity (standard) to DIN VDE | wire arrangement | brown, black, blue |
| Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (jacket) ± 5 % Material wire insulation PP Amount Wires 3 Outer diameter insulation 1,25 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 1 ± 5 % Shore hardness wire insulation 1 ± 5 % Shore hardness wire insulation 0 ± 5 Shore D Ingredient freeness wire insulation 1 ± 5 % Shore hardness wire insulation 1 ± 5 % Shore hardness wire insulation 1 ± 5 % Shore hardness wire insulation 0 ± 4 Shore D Ingredient freeness wire insulation 1 ± 4 Mine Amount strands (wire) 0,34 mm ² Diameter of single wires 0,1 mm Conductor vise Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voitage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 <td>Cable weigth</td> <td>29,7 g/m</td> | Cable weigth | 29,7 g/m |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Manunt strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ³ Material conductor wire Stranded copper wire, bare Conductor vire (strands) strand class 6 Nominal voltage AC max. 300 V Current load capacity min, wire 6 A Electrical resistance line constant wire 57 Q/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s 2 Operating temperature (static) 40 °C Max. operating | Material jacket | PUR |
| Outer-diameter (jacket) 4,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter loserance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 125 mm Amount wires 0 Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor rossescion (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 Conductor type (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Operating temperature (static) 40 | Shore hardness jacket | 90 ± 5 Shore A |
| Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 1 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (strandard) to DIN VDE 0298-4 Current load capacity (wire wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - xire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 40 °C 20 °C Acting temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation | Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation PP Amount wires 3 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vise Stranded copper wire, bare Conductor vige (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 - 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 Mix. operating temperature (static) -40 °C Mix. operating temperature (static) -80 °C / 90 °C @ 10000 h Operation Operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation | Outer-diameter (jacket) | 4,1 mm |
| Anount wires3Outer diameter insulation1,25 mmOuter diameter lolerance core insulation± 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 crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareCurrent load capacity strandard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ωkm @ 20 °CAc withstand voltage (wire)2,5 kV @ 60 sPower frequency withstand voltage (wire)2,5 kV @ 60 sMin. operating temperature (itsel)-40 °CMax. operating temperature (itsel)40 °CMax. operating temperature (itsel)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)25 °COperating temper | 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 rossection (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 IN VDE 0298-4 Current load capacity win- wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (istatic) -40 °C Max. operating temperature (istatic) 40 °C Max. operating temperature (istatic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating tem | 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 crossection (wire) 0,34 mm ^a 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 wink 6 A Electrical resistance line constant wire 57 Qkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - isacket) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (mix.) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing | Amount wires | 3 |
| 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 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 (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - ' acket)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 min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (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 testingGil resistanceGood, application-related testingOil resistance | Outer diameter insulation | 1,25 mm |
| InstructionHead-free, cadmium-free, CFC-free, halogen-free, silicone-freeIngredient freeness wire insulation42Diameter of single wires0,1 mmConductor 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 (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)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 (fixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOut resistanceGood, application-related testingOil res | Outer diameter tolerance core insulation | ±5% |
| Amount strands (wire)42Diameter of single wires0,1 mmConductor 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 (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - size)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature max. (dynamic)-25 °COperation Europerature max. (dynamic)-25 °COperation Europerature max. (dynamic)-25 °COperating temperature max. (dynamic) | Shore hardness wire insulation | 70 ± 5 Shore D |
| Diameter of single wires0,1 mmConductor 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 (min. wire)6 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing | 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 min. wire6 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 (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 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil res | 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)6 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 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOi | Diameter of single wires | 0,1 mm |
| Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)6 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 sNin. 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 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing | Conductor crosssection (wire) | 0,34 mm² |
| Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 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 4892-2 AFlame resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404 | Material conductor wire | Stranded copper wire, bare |
| Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 (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 § 1000 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing | Conductor type (wire) | strand class 6 |
| Current load capacity min. wire6 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 resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing | Nominal voltage AC max. | 300 V |
| Electrical 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 resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing | | to DIN VDE 0298-4 |
| AC 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 resistanceUL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing | | |
| 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 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing | | |
| 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 UL 1581 § 1100 FT2 IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404 | | 2,5 kV @ 60 s |
| Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 | | 2,5 kV @ 60 s |
| 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 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing | Min. operating temperature (static) | -40 °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 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing | Max. operating temperature (fixed) | 80 °C / 90 °C @ 10000 h Operation |
| UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing | Operating temperature min. (dynamic) | -25 °C |
| Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 | 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 60811-404 | UV resistance | DIN EN ISO 4892-2 A |
| Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 | Flame resistance | UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 |
| Oil resistance Good, application-related testing DIN EN 60811-404 | chemical resistance | Good, application-related testing |
| | Gasoline resistance | Good, application-related testing |
| Bending radius (fixed) 5 x Outer diameter | Oil resistance | Good, application-related testing DIN EN 60811-404 |
| | Bending radius (fixed) | 5 x Outer diameter |

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| 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 |
| Torsion speed | 35 cycles/min |

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