

M12 Power male 90° K-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 5m

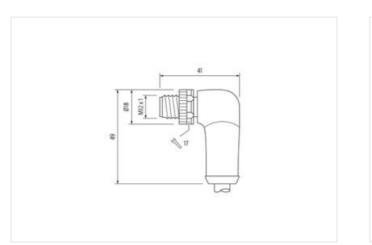
Power Male 90° M12, 5-pole K-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

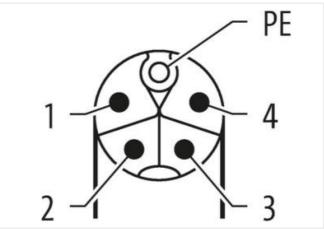
Link to Product

Illustration



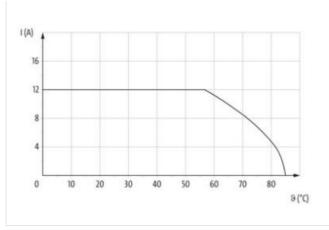
| 1 | BK 1 | |
|-----|-------|--|
| 2 - | BK 2 | |
| 3 - | BK 3 | |
| 4 | WH 4 | |
| PE> | GN YE | |





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: 2024-05-19





Product may differ from Image



| Cable length | 5 m |
|--|-------------------|
| Side 1 | |
| Tightening torque | 0,6 Nm |
| Mounting method | inserted, screwed |
| Coating contact | gold plated |
| Family construction form | M12P |
| Thread | M12 x 1 |
| suitable for corrugated tube (internal Ø) | 16,4 mm |
| Coding | К |
| Material contact | Copper alloy |
| No. of poles | 5 |
| Side 2 | |
| Stripping length (jacket) | 100 mm |
| Commercial data | |
| ECLASS-6.0 | 27279218 |
| ECLASS-6.1 | 27279218 |
| ECLASS-7.0 | 27279218 |
| ECLASS-8.0 | 27279218 |
| ECLASS-9.0 | 27060327 |
| ECLASS-10.1 | 27060311 |
| ECLASS-11.1 | 27060311 |
| ECLASS-12.0 | 27060327 |
| ETIM-5.0 | EC001855 |
| customs tariff number | 85444290 |
| GTIN | 4048879901819 |
| Packaging unit | 1 |
| Electrical data Supply | |
| Operating voltage AC max. | 600 V |
| Current operating per contact max. | 12 A |
| Diagnostics | |
| Status indication LED | no |
| Installation Connection | |
| mation in this Product-PDF has been compiled with th | he utmost care |

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: 2024-05-19



| Device protection Electrical PPS, IPS7 Additional condition protection degree instend, screwed Polution Degree 3 Polution Degree 6 Valuarial group (IEC 6006-1) I Material proce (IEC 6006-1) I Material focial (IEC 6006-1) I Montral gratherial Inserded, screword, Shaking protection Exploration Interportation and the screword, Shaking protection I Operation Interportation and the screword, Shaking protection I Exploration Interportation and the screword, Shaking protection I Operation Interportation and the screword screword, Shaking protection I Operation Interportation and the screword screword, Shaking protection I Operation Interportation and thescrew | Stripping length (jacket) | 100 mm |
|--|--|--|
| Depose of protection (EN IEC 80529)IP65, IP67Acaditional condition protection degreeinsternet, sorwedAcaditional condition protection degree6 N/Barlad surge voltage6 N/Mediarlad proce (EC 9064-11)IMechanical data [Matorial data]PURMechanical data [Matorial data]PURMechanical data [Matorial data]Zore die-castingMechanical condition temperature rangeZore die diretificationMechanical condition temperature rangeZore die diretificationMechanical condition temperature rangeBiose Condition black (Neinia solitation), while (solitation black)Mechanical conditionBioseStrandingSines acound Filter WeiterdStrandingSines acound Filter WeiterdStrandingSines acound Filter WeiterdStranding LipskerPURMechanical conditionSines Acound Condition Free, CEC-tee, halogen-tee, silicone-treeFilter con data data fin evisationSines Acound | Width across flats | SW17 |
| Depose of protection (EN IEC 80529)IP65, IP67Acaditional condition protection degreeinsternet, sorwedAcaditional condition protection degree6 N/Barlad surge voltage6 N/Mediarlad proce (EC 9064-11)IMechanical data [Matorial data]PURMechanical data [Matorial data]PURMechanical data [Matorial data]Zore die-castingMechanical condition temperature rangeZore die diretificationMechanical condition temperature rangeZore die diretificationMechanical condition temperature rangeBiose Condition black (Neinia solitation), while (solitation black)Mechanical conditionBioseStrandingSines acound Filter WeiterdStrandingSines acound Filter WeiterdStrandingSines acound Filter WeiterdStranding LipskerPURMechanical conditionSines Acound Condition Free, CEC-tee, halogen-tee, silicone-treeFilter con data data fin evisationSines Acound | Device protection Electrical | |
| Additional condition protection degree Inserted, screwed PONUE on Degree 3 Additional condition protection degree 6 kV Material grups (EE 60664-1) 1 Machanical data [Material data] Nickeide Cating toking Nickeide Material housing PUR Cooking national Zine de-cating Machanical data [Mounting data] Inserted, screwed, Shaking protection Environmental characteristics [Climate] Environmental characteristics [Climate] Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Installation Cable Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation black) Struct Color black Wire arrangement coloris Wire arrangement green yeelw, white 4, black 3, black 2, black 1 Cable weigh 12.8.8 grm Total stranding 1 Cable weigh 2.9 since A Freedom tinsutero | • | IP65 IP67 |
| Polution Degree 3 Pata surge voltage 6 IV Mainari group (ICC 6064-1) 1 Machanical data Material data Conting Locking Multimari group (ICC 6064-1) Nickeled Material housing PUR Machanical data Material data Zinc dire-casting Muchanical data Muning data Muchanical data Muchanical data Muning data Since directore Operating temperature max. 25 °C Operating temperature max. 85 °C Cable destification P15 Cable destification P16 Cable destification P15 Cable destification P15 <td></td> <td></td> | | |
| Fland supp voltage 6 VV Material group (IEC 60664-1) 1 Material group (IEC 60664-1) 1 Material broup (IEC 60664-1) Nockeld Conting to during PUR Conting to during (IEC 60664-1) Zro die-casting Material data [Mounting data Insorted. screwod, Shaking protoction Environmental data/contractistics [Clamatic Contractistics (Clamatic Operating temperature min. -25 °C Operating temperature max. 85 °C Additional continot temperature renge depending on cable quality Installication P15 Cable Identification P15 Cable Identification Data (white isolation, white (solation black) Material group (IEC 60067 black Virities control wite insolation black (white isolation, white (solation black) Standing 1 Virities control wite insolation black (white isolation black) Material glack Quality Virities control wite insolation black (white isolation black) Material glack Quality Standing 5 | | |
| Material group (IEC 80884-1) I Mechanical data [Material data] Cooking tooking Nickeled Material housing PUR Cooking material Zin die-casting Mechanical data [Mounting data Kickeled Mochanical data [Mounting data Imaerted, acrewed, Shaking protection Environmental characteristics [Climatic Operating temperature max. Operating temperature max. 85 °C Cable identification P15 Cable identification P16 Cable identification P17 Starting 5 Starting 5 Cable identification P17 Starting 5 Starting 1 Starting 5 Starting 5 Cable identification 2.8 g/m <td></td> <td></td> | | |
| Mechanical data Material data Vicilaries Costing looking Nickeled Looking material Zinc die casting Mechanical data] Mounting data Inserted, screwed, Shaking protection Evisonmental characteristics Climate Inserted, screwed, Shaking protection Operating temperature max. 85 °C Operating temperature max. 85 °C Additional condition temperature may. 85 °C Castel dational condition temperature may. 85 °C Castel datification of the temperature may. 85 °C Castel datification temperature may. 85 °C Castel datification of the temperature may. 85 °C Castel datification of the insulation P16 Castel datification of whire insulation black (white isolation black) Data (Coirr black (white isolation black) Parting color of wire insulation UPA screwed Armout stranding 1 Stranding Sire around Filler twisted Filler yee Caster wayft 128 g m Material jakel PUH Stranding Sire around Filler twisted< | | |
| Material housing PUR Lodking material Zinc die-casting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Comparing tomperature main. <25 °C | | |
| Material housing PUR Lodking material Zinc die-casting Mechanical data Mounting method inserted, screwed, Shaking protection Environmental characteristics Climatic Comparing tomperature main. <25 °C | Coating locking | Nickeled |
| Locking matrial Zinc dio-casting Mechanical data [Mounting data Inserted, screwed, Shaking protection Environmental characteristics [Climatic Environmental characteristics [Climatic Operating temperature min. -25 °C Operating temperature max. B5 °C Additional condition temperature may. B5 °C Cable identification P15 Cable identification P15 Cable identification P15 Cable identification P16 Cable identification Viack (white isolation), white (isolation black) Jacket Color Back Type of Certificate cURus Anount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 2, black 1 Cable weight 129.8 grm Material jucket PUR Store hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, allicone-free Outer diameter (shealth) ± 5 % Material wire i | | |
| Mechanical data Mounting data Mounting mathod Inserted, screwad, Shaking protection Environmental characteristics Climatic Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max 85 °C Additional condition temperature max 85 °C Additional condition temperature may depending on cable quality Installation 1 FDS Cable identification P15 Cable identification Back (while isolation), white (isolation black) Additional Cable URUs Amount stranding 1 Stranding S wires around Filler twisted Wei arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigh 1 128 g g/m Material jackat 90 L 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (isolation 2.5 m Cable free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (isolation) 4.5 % Material weinsulation 2.5 m < | | |
| Mounting mathod inserted, screwed, Shaking protection Environmental characteristics Climatic 25 °C Operating temperature max. 85 °C Additional condition temperature may. depending on cable quality Installation Cable Installation Cable Cable identification Cable 915 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation black) Jacket Color black Type of Cartificate cuPusu Annount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigh 192.8 g/m Material jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 8.2 mm Tolareato cuter diameter (jacket) 8.2 mm Tolareato cuter diameter (jacket) 2.3 mm Outer diameter (jacket) 5 Outer diameter (jacket) 6.2 Shore D Ingredient filter teacastimum-free, CFC-free, halogen-free, silicone-free Diamotar | - | |
| Environmental characteristics Climatic 25 °C Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Installation Cable Environmental cable Cable ferritorics Disc (white isolation), white (solation black) Jacker Clori black (white isolation), white (solation black) Jacker Clori black Type of Clerificate cl/Rus Amount Stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weight 129,8 g/m Material jacket PUF Strone hardness jacket 92 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium free, CFC-free, halogen-free, silicone-free Outer diameter (isoket) 8,2 mm Tolerance outer diameter (scheath) ± 5 % Cuter diameter insulation PP Amount Strandis 5 5 % Outer diameter insulation 12 5 % | | |
| Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Tabletion Condition temperature max. 85 °C Cable identification P15 Cable identification P15 Cable identification black (white isolation), white (solation black) Lacket Color black Dentification CPUsis Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weight 129,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom trion ingredients (jacket) 8.2 mm Tolerance outler diameter (sheath) ± 5 % Amount wires 5 Outer diameter fuelsheath 60 ± 5 Shore D Ingredient trie insulation £ 3 % Material wire insulation 16 ± 5 % Cubre diameter insulation 16 ± 5 % Cubre diameter insulation | | |
| Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Installation Cable Installation Cable Cable input 915 Cable input Black (white isolation), white (isolation black) Jacket Color black (white isolation), white (isolation black) Jacket Color black (white isolation) Type of Certificate CURus Annount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green yellow, white 4, black 3, black 2, black 1 Cable weight 128,8 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) 8.2 mm Tolerance outer diameter (sheath) ± 5 % Shore hardness inclusion PP Annout wires 5 Outer diameter insulation 4.5 % Shore bardness wire insulation 6.1 5 Shore D Shore bar | Environmental characteristics Climatic | |
| Additional condition temperature range depending on cable quality Installation Cable Cable identification P15 Cable Type 3 Printing color of wire insulation Dlack (white isolation), white (isolation black) Jacket Color Dlack Type of Certificate cURus Anount stranding 1 Stranding S wires around Filler twisted Filler yes Gable weigh 128.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from inpredients (jacket) 8.2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Annount wires 5 Outer diameter (sheath) ± 5 % Material wire insulation 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Cuter diameter (sheath) ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Diameter of singe wires 0.15 mm <td>Operating temperature min.</td> <td></td> | Operating temperature min. | |
| Installation Cable Cable identification P15 Cable Type 3 Printing color of wire insulation black (white isolation), while (isolation black) Jacket Color black Type of Certificate cURus Annount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weight 129.8 g/m Material jacket PUR Store hardness jacket 90.1 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8.2 mm Tolerance outer diameter (sheatth) ± 5 % Material wire insulation PP Anount wires 5 Outer diameter insulation 2.3 mm Outer diameter insulation 6.1 5 Shore D Ingredient freeness wire insulation 6.1 5 Shore D Ingredient freeness wire insulation 6.1 5 Shore D Ingredient freeness wire insulation 1.5 mm² | Operating temperature max. | |
| Cable identification P15 Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation black) Jackett Color black Type of Certificate CURus Annount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigh 129.8 g/m Material jackett PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (gacket) 8.2 mm Tolerance outer diameter (sheatth) ± 5 % Shore hardness wire insulation PP Amount wires 5 Shore hardness wire insulation 2.3 mm Outer diameter insulation 1.5 Shore D Ingredient treeness wire insulation black (white isolation), white (solation black) Amount wires 5 Outer diameter insulation black (white isolation), white (solation black) Amount | Additional condition temperature range | depending on cable quality |
| Cable Type 3 Printing color of wire insulation black (white isolation), white (isolation black) Jacket Color black Type of Certificate URus Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129,8 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 (acket) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer-diameter (sheath) ± 5 % Shore hardness wire insulation 62 ± 5 Shore D Ingredient freeness wire insulation black (white isolation), white (isolation black) Amount wires 5 Shore hardness wire insulation black (white isolation), white (isolation black) Amount strands (wire) 4 Dilameter | Installation Cable | |
| Printing color of wire insulation black (white isolation), white (isolation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weight 12,8,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Voler-diameter (gacket) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount twires 5 Outer diameter tolerance core insulation 2,5 % Shore hardness wire insulation 60 ± 5 Shore D Under diameter tolerance core insulation 5 5 % Outer diameter tolerance core insulation 60 ± 5 Shore D Ingredient freeneess wire insulation 16 ± 5 % Shore hardness wire insulation 16 ± 5 % Anount strands (wire) 84 Diameter of single wires 0,15 mm Conductor type (wire) stranded copper w | Cable identification | P15 |
| Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129.8 g/m Material jacket PUR Shore hardness jacket 90.4 S Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8.2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Shore hardness wire insulation black (white isolation), white (isolation black) Amount wires 5 Outer diameter for of wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0.15 mm C | Cable Type | 3 |
| Type of Certificate cURus Anount stranding 1 Stranding 5 wires around Filler twisted Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 2,3 mm Outer diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor type (wire) 1,5 mm ² Conductor type (wire) Stranded copper wire, bare Conductor type (wire) 5 m@ @ 25 °C Nominal voltage AC | Printing color of wire insulation | black (white isolation), white (isolation black) |
| Amount stranding1Stranding5 wires around Filler twistedFilleryeswire arrangementgreen-yellow, white 4, black 3, black 2, black 1Cable weigh129.8 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)8,2 mmTolerance outer diameter (sheath) $\pm 5 %$ Material wire insulationPPAmount wires5Outer diameter tolerance core insulation $\pm 5 %$ Shore hardness wire insulation60 ± 5 Shore DOuter diameter tolerance core insulation $\pm 5 %$ Shore hardness wire insulation60 ± 5 Shore DOuter diameter tolerance core insulationblack (white isolation) ket (solation black)Amount strands (wire)84Diameter of single wires0,15 mm²Conductor rorssection (wire)1,5 mm²Material onductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity mix wire13,5 AElectrical resistance line constant wire13,5 $\Omega/km @ 20 °C$ | Jacket Color | black |
| Stranding 5 wires around Filler twisted Filler yes wire arangement green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129,8 g/m Material jackt 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material jackt PP Amount wires 5 Outer diameter tolerance core insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 162-4 (wite isolation), white (isolation black) Amount wires 9.1 Smm² Material core of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm² Conductor rowssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-trac | Type of Certificate | cURus |
| Filler yes wire arrangement green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Armount wires 5 Outer diameter insulation 2,3 mm Outer diameter insulation 2,3 mm Outer diameter insulation 4 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 16a/free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Armout strands (wire) 84 Diameter of single wires 0,15 mm² Conductor orsessection (wire) 1,5 mm² | Amount stranding | 1 |
| green-yellow, white 4, black 3, black 2, black 1 Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2.3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation back (white isolation) white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor rowise 0,15 mm ² Material conductor wire Stranded copper wire, bare Conductor twire) 1,5 m ² Conductor twire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare | Stranding | 5 wires around Filler twisted |
| Cable weigth 129,8 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) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation) white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor rossection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor wire Strand class 6 | Filler | yes |
| 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) 8.2 mm Tolerance outer diameter (sheath) ± 5 %. Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2,3 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free Printing color of wire insulation black (white isolation), white (isolation black) Armount strands (wire) 84 Diameter of single wires 0,15 mm² Conductor rossection (wire) 1,5 mm² Material conductor wire Strand class 6 Traversing distance (C-track) 5 m @ 25 °C | wire arrangement | green-yellow, white 4, black 3, black 2, black 1 |
| Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Arnount wires 5 Outer diameter insulation 2,3 mm Outer diameter insulation 2,3 mm Outer diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Arnount strands (wire) 84 Diameter of single wires 0,15 mm² Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 02 | Cable weigth | 129,8 g/m |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor rosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 | Material jacket | PUR |
| Outer-diameter (jacket)8,2 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation2,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation60 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor type (wire)Stranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Shore hardness jacket | 90 ± 5 Shore A |
| Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 13,3 Ω/km @ 20 °C | Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation PP Amount wires 5 Outer diameter insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 13,5 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C | Outer-diameter (jacket) | 8,2 mm |
| Amount wires 5 Outer diameter insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 13,5 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C | Tolerance outer diameter (sheath) | ±5% |
| Outer diameter insulation2,3 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation60 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Material wire insulation | PP |
| Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation60 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Amount wires | 5 |
| Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 13,5 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C | Outer diameter insulation | 2,3 mm |
| Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Outer diameter tolerance core insulation | |
| Printing color of wire insulationblack (white isolation), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Shore hardness wire insulation | 60 ± 5 Shore D |
| Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Ingredient freeness wire insulation | - |
| Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Printing color of wire insulation | |
| Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Amount strands (wire) | |
| Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Diameter of single wires | · · · · · · · · · · · · · · · · · · · |
| Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Conductor crosssection (wire) | |
| Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Material conductor wire | |
| Nominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Conductor type (wire) | |
| Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | Traversing distance (C-track) | |
| Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °C | | |
| Electrical resistance line constant wire 13,3 Ω/km @ 20 °C | | |
| | | |
| AG WITNSTAND VOITAGE (WITP - WITP) 10 KV @ 60 S | | |
| | AC WIINSTAND VOITAGE (WIRE - WIRE) | 10 KV @ 6U S |

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: 2024-05-19



| Power frequency withstand voltage (wire - jacket) | 10 kV @ 60 s |
|---|---|
| Min. operating temperature (static) | -50 °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 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 IEC 60332-1-2 |
| chemical resistance | Good, application-related testing |
| Gasoline resistance | Good, application-related testing |
| Oil resistance | DIN EN 60811-404 |
| Bending radius (fixed) | 7,5 x Outer diameter |
| Bending radius (dynamic) | 10 x Outer diameter |
| Travel speed (C-track) | 5 Mio. @ 25 °C |
| No. of torsion cycles | 2 Mio. |
| 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: 2024-05-19