

## 7/8" male 0° / 7/8" female 0°

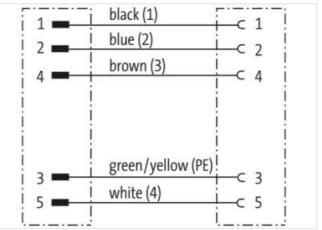
PUR 5x1.5 gy UL/CSA+drag ch. 20m

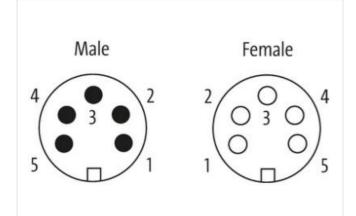
Male straight – female straight 7/8" – 7/8", 5-pole Power cable Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

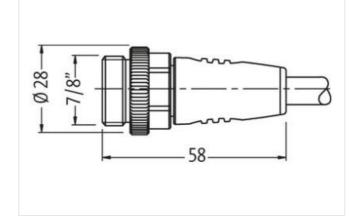
## Link to Product

Illustration





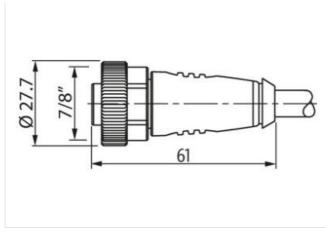




The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

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Product may differ from Image



Cable length	20 m
Side 1	
Tightening torque	1,5 Nm
Thread	7/8"
Side 2	
Tightening torque	1,5 Nm
Thread	7/8"
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	4048879138505
Packaging unit	1
Electrical data   Supply	
Current operating per contact max.	12 A
Current phase - neutral	230 V
Current phase - phase	400 V
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Rated surge voltage	3 kV
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climation	C

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Operating temperature max.     65 °C       Additional condition temperature maya     degrading on cable quality       Installation (Cable)     Example of the condition temperature maya       Cable Type     3       Printing cool of wire insulation     black (while isolation), while (solation black), while (solation black)       Jacket Color     prev       Type of Cafficial     Cuffue textual textua	Operating temperature min.	-25 °C
Additional condition temperature range     depending on cable quality       Installation (Cable     Cable (Institution)     961       Cable (Type)     3     Final color of weinstation     black (White isolation blue), while (isolation brown), while (isolation black)       Additional Color     gray     Gable Type     3       Type of Certificate     CUFus     Amount standing     1       Stranding     Swies around Filler Weited     Filler     yes       Weite arrangement     green-yellicer, black 1, white 4, brown 3     No. of bording tryols (C track)     5 Mile, 025 °C       Cable weight     128 grim     Material Jobet     90 £ 5 Shore A     Freedom Material Jobet     Filler       Outer diamoter (fouture)     12 Shore A     Freedom Material Jobet     90 £ 5 Shore A     Freedom Material Jobet     Filler       Outer diamoter (fouture)     16 5 %     Shore A Address, cadmum Area, CPC 4ree, halogen-free, silicone-free     Coduct diamoter (fouture)     16 %       Cable weight     16 5 %     Shore A Address, cadmum Area, CPC 4ree, halogen-free, silicone-free     Coduct diamoter (fouture)     16 %       Cardward weight     5     Shore Address, weight silicon brown), whate (isolation black)<		
Instaliation ( Cable     961       Cable Stepine     3       Printing color of whe installon     bdak ( white isolation) black)       Jacket Color     gray       Type of Certificate     culficate       Arrount Stranding     1       Stranding     5 wise arrund Filer Wested       Filer     yes       Weir arrangement     groun yellow, blue 2, black 1, while 4, brown 3       No. of banding cycles (C-rack)     5 Mbs. @ 25 °C       Cable weight     128.8 g/m       Material jook     PLF       Peedon Itom ingreedon file on ingreedon file		
Cable Identification     961       Cable Type     3       Printing color of we insultation     black (white isolation blue), white (isolation brown), white (isolation black)       Jacket Color     gray       Type of Centricets     0.UNs       Amount standing     1       Strainfing     Swires around Filer Iwisited       Filer     yes       Wire arrangement     gree-system, Use 2, black 1, white 4, brown 3       Sor ab backing cycles (C-trask)     Sor & Sor & Color       Cable weigh     128,8 g/m       Material jacket     PUR       Strone hardness jacket     PUR       Tolerance outler diameter (leasth)     15 %       Material jacket     PUR       Tolerance outler diameter (leasth)     15 %       Material we insultation     PP       Tolerance outler diameter (leasth)     15 %       Material we insultation     60 ± 5 %       Outer diameter insultation     60 ± 5 %       Tolerance outler diameter insultation     60 ± 5 %       Tolerance outler diameter insultation     16 ± 5 %       Tolerance outler diameter insultation     16 ± 5 %  <		
Cabb Type     3       Printing calor of wire insulation     black (while isolation) blue), while (isolation blue), while (isolation black)       Jacket Color     gray       Type of Cortificatio     CURus       Amount stranding     1       Stranding     5 wires around Filler twested       Filler     yes       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       No. of bourding cycles (Ctack)     5 Mol. @2 25 °C       Cable weight     128, 3g in       Material placket     PUR       Strond from ingredients (jacket)     6 45 °Nc       Freedom from ingredients (jacket)     8 mm       Colard ameter (issakt)     8 mm       Tolerance cueft diameter (issakt)     5 °N       Material twe insulation     PP       Printing cucif diameter (issakt)     5 % Nm       Outer diameter insulation     6 5 % Nm       Strond hardness we insulation     6 5 % Nm       Ingredient freeness wire insulation     6 1 5 % Nm       Ingredient freeness wire insulation     6 1 5 % Nm       Contro dirameter visualition     16 3 % Nm       Diameter insulation     1	·	061
Printing color of wire insulation     black (while isolation), while (isolation black), while (isolation brown), while (isolation black)       Jacker Color     gray       Type of Certificate     c/PRos       Amount stranding     1       Stranding     5 wires around Filler hwisted       Filler     yes       Wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       No. of backing cycles (C+track)     5 Mole 95 °C       Cable weigh     128.8 g/m       Material jacket     PUF       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingrodients (acket)     8 mm       Cable weigh     10ad troc, cadmium free, CFC-free, halogon free, silicone free       Amount wires     5       Coter diameter insulation     2 5 %       Shore hardness insulation     2 5 %       Shore hardness wire insulation     2 5 %       Shore hardness wire insulation     2 5 %       Shore hardness wire insulation     10ad tree, cadmium free, CFC-free, halogon-free, silicone free       Printing color of wire insulation     10ad tree, cadmium free, CFC-free, halogon-free, silicone free       Charer diameter insulation     10ad tree, cadmium free,		
Jacket Color     gray       Type of Carification     cJRus       Amount stranding     1       Stranding     5 wires around Filer wised       Filer     yes       wire arrangament     green-yellow, blue 2, black 1, white 4, brown 3       No. of boording cycles (Critick)     5 Mio. @ 25 °C       Cable weigh     128, 8 g/m       Material packet     90 ± 5 Shore A       Freedom from ingrodentis (gacket)     8 urm       Tolerance outer fameter (fusket)     8 mm       Colard-ansetter (isacket)     8 mm       Colard-ansetter insulation     PP       Amount wires     5       Outer diameter tolerance outer fameter (theath)     4 5 %       Material isoution     2,3 mm       Outer diameter tolerance core insulation     1 5 %       Shore hardness wire insulation     10 ± 5 Shore D       Ingredent Trenses wire insulation     10 ± 5 Shore D       Ingredent Trenses wire insulation     14 5 %       Shore hardness wire insulation     10 ± 5 Shore D       Ingredent Trenses wire insulation     10 ± 5 Shore D       Ingredent Trenses wire insulation     10 ± 5 %		
Type of Certificate     CURus       Amount stranding     1       Stranding     5 vices around Filler twisted       Filler     yes       vice arrangement     grees yes       vice arrangement     grees yes       Vice arrangement     grees yes       Shore hardness jacket     PUR       Outer diameter (facket)     B mm       Talerance subs diameter (facket)     B freedom from ingredents (jacket)       Outer diameter (facket)     B mm       Cuber diameter insulation     PP       Amount wiss     5       Outer diameter insulation     E 5 %       Shore hardness wire insulation     E 5 %       Shore hardness wire insulation     Eas-free, cadmium-free, CFC-free, halogen-free, silicone-free       Pinnig octor divers insulation     Eas-free, cadmium-free, CFC-free, halogen-free, silicone-free       Pinnig octor divers insulation     Eas-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter insulation	-	
Amount stranding     1       Stranding     5 wires around Filler twisted       Filler     yes       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       No. of bending cycles (C-track)     5 Mice 25°C       Cable weigh     128.8 g/m       Material jacket     PUR       Shohn Partienss glack1     90.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     8 mm       Tolerance cutter diameter (sharth)     1.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tioerance core insulation     2.3 mm       Outer diameter tioerance core insulation     4.5 %       Shore hardness wire insulation     60.1 5 Shore D       Ingredient treenas wire insulation     8.0 1 5 Shore D       Tingredient treenas wire insulation     8.0 1 5 Shore D       Tingredient treenas wire insulation     8.0 2 5 Shore D       Toward strands (wire)     9.4       Diameter of single wires     0.15 mm       Conductor crossection (wire)     1.5 mm <sup>2</sup>		
Stranding 5 wires around Filler twisted   Filer yes   wire arangement green-yellow, blue 2, black 1, while 4, brown 3   No. ot bending cycles (C-track) 6 Mio. @ 25 °C   Cable weight 129.8 g/m   Material jacket PUR   Shore hardness jacket 90.4.5 Shore A   Freedom from ingredients (jacket) 8 ad-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 8 mm   Tolerance outer diameter (isolation) 1.5 %   Material jacket PP   Amount wires 5   Outer diameter insulation 2.3 mm   Outer diameter insulation 6.0.1 5 Shore D   Ingredient treeness wire insulation 6.0.1 5 Shore D   Ingredient treeness wire insulation back (white isolation), white (isolation blue), isolat, is		
Filter     yes       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       No. of bending cycles (C1-rack)     5 Mo. @ 25 °C       Cable weight     129.8 g/m       Material jackal     PUR       Shore hardness jacket     90 5 Shore A       Shore hardness jacket     90 5 Shore A       Creater dameter (sheath)     ± 5 %,       Material jackal     PUR       Tolerance outer dameter (sheath)     ± 5 %,       Material wre insulation     PP       Amount wres     5       Outer diameter (sheath)     ± 5 %,       Material wre insulation     2.3 mm       Outer diameter tolerance core insulation     1 ± 5 %,       Mount strands (wire)     60 ± 5 Shore D       Ingredient freeness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     Back (white isolation) blue, white (solation brown), while (solation black)       Mount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor crosseetion (wire)     1.5 mm*       Material conductor wire     S1.5 Mm       Conductor vires (Strandd copper wire, bare		-
wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       No. of bending cycles (C-track)     5 Mio. @ 25 °C       Cable weigh     128.8 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     8 mm       Tolerance outer diameter (solvet)     8 mm       Tolerance outer diameter (solvet)     8 mm       Tolerance outer diameter (solvet)     2.3 mm       Outer diameter insulation     2.3 mm       Outer diameter insulation     60 ± 5 Shore D       Ingredient treeness wire insulation     60 ± 5 Shore D       Ingredient treeness wire insulation     160 ± 5 Shore D       Ingredient treeness wire insulation     163 %       Shore hardness wire insulation     164 chree, cadmium free, CPC-free, halogen-free, silicone-free       Printing color of wire insulation     blaak (white isolation blue), white (isolation brow), white (isolation black)       Armout strands (wire)     84       Diameter of single wires     0,15 mm       Conductor treasection (wire)     15 A M       Electrical resistance     10 NV DE (289.4       Currenti bad capacity ritin, wire     13.3 Ω		
No. of bending cycles (C-track)   5 Mis. @ 25 °C     Cable weigh   129.8 g/m     Material jackt   PUR     Shore hardness jackal   90.1 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer diameter (sheath)   ± 5 %     Material jackt   PP     Amount wires   5     Outer diameter core insulation   2.3 mm     Outer diameter core insulation   ± 5 %     Shore hardness wire insulation   60.1 ± 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 (solation blue), white (solation blue), white (solation black)     Amount strands (wire)   84     Dameter of single wires   0.15 mm     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Current load capacity min. wire   13.5 A     Electrical resistance line constant wire   100 V VED 2028-4     Current load capacity min. wire   13.5 A     Electrical resistance line constant wire   100 V     Power frequency withstand voltage		
Cable weigh     129.8 g/m       Material jacket     PUR       Shore hardness jackt     90.2 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     5 %       Material wre insulation     PP       Amount wires     5       Outer diameter insulation     2.3 mm       Outer diameter insulation     60.2 5 Shore D       Shore hardness wire insulation     61.2 5 Shore D       Printing color of wire insulation     biack (while lealation), white (isolation black), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of splav wies     0.15 mm       Conductor crosssection (wire)     1.5 mm?       Conductor wire     Stranded caper wire, bare       Conductor vire     Stranded caper wire, bare       Conductor vire (wire)     strand class 6       Traversing distance (C-track)     5 m@ 25 °C       Current load capacity trist wrie insulation     13.3 Dkm @ 20 °C       Nominal voltage power Areax.     1000 VD E098-4       Current load c		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Tom ingredients (jacket)     8 mm       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter (loerance core insulation     2.3 mm       Outer diameter tolerance core insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation black)       Annount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor type (wire)     1.5 mm       Conductor type (wire)     5 me 25 °C       Courrent load capacity min. wire     13.5 A       Electrical resistance (ince constant wire     10 kV @ 60 s       Annial voltage power (wire - wire)     10 kV @ 60 s       Min: operating temperature (static)     -50 °C       Conductor type (wire)     10 kV @ 60 s       Marced colume and asset     -50 °C       Current load capacit		
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 mm       Tolerance outer diameter (sheath)     ± 5 %       Matorial wire insulation     PP       Amount wires     5       Outer diameter insulation     2,3 mm       Outer diameter isolation     2,3 mm       Outer diameter tolerance core insulation     1.5 %       Shore hardness wire insulation     16.4 5 %       Ingredient freeness wire insulation     Iead +ree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     Iead +ree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     Iead +ree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter disrugle wires     0,15 mm       Conductor wire insulation     19.5 km       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Travesring distance (C1-rack)     5 m @ 25 °C       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity m. wire     13.5 A		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   # mm     Tolerance outer diameter (jacket)   ± 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   2,3 mm     Outer diameter tolerance core 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 (write isolation), white (isolation blue), white (isolation black)     Amount strands (wrie)   84     Diameter of single wires   0,15 mm     Conductor twice (wrie)   1,5 mm <sup>8</sup> Material conductor wire   Strand class 6     Travensing distance (C-frack)   5 m @ 25 °C     Current load capacity (sindrard)   to DIN VDE 0294-4     Current load capacity (sindrard)   10 DIN VDE 0294-4     Current load capacity (sindrard)   10 DIV VDE 0294-4     Current load capacity (sindrard)   10 NV Ø 60 s     Min. operating temperature (fixed)   80 °C / 90 °C (@ 10000 h Operation     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Max. operating temper		
Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter resultation     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     black (white isolation blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor crosssection (wire)     1.5 mm <sup>9</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard)     to DIV V@ 60 s       Min: operating temperature (straic)     -55 °C       Mominat voltage power AC max.     1000 V	-	
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires5Outer diameter insulation2.3 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation60 $\pm$ 5 Shore DIngredient freeness wire insulation164 free, cadmium-free, CFC-free, halogen-free, silicone-freePirning color of wire insulationblack (white isolation), white (isolation blue), white (isolation black)Amount strands (wire)84Diameter of single wires0.15 mmConductor crosssection (wire)1.5 mm²Material conductor wireStranded copper wire, bareConductor lype (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CCurrent load capacity (strander)10 DIN VDE 2098-4Current load capacity (strander)10 DIN VDE 2098-4Current load capacity (strander)10 AV @ 60 sMix. operating temperature (statc)-50 °CMominal voltage power (wire - wire)10 AV @ 60 sMix. operating temperature (statc)-50 °CMax. operating temperature (statc)-50 °CMix. operating temperature (statc)-50 °C		
Material wire insulationPPAmount wires5Outer diameter insulation2.3 mmOuter diameter insulation $\pm 5$ %Shore hardness wire insulation $60 \pm 5$ Shore DIngredient freeness wire insulationlead-tree, cadmium-free, CFC-free, halogen-free, silicone-freePrinting color of wire insulationblack (white isolation), white (isolation blue), white (isolation brown), white (isolation black)Amount strands (wire)84Diameter of single wires0,15 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareCurrent load capacity (ini, wire13,5 AElectrical resistance line constant wire13,3 D/km @ 20 °CNominal voltage power AC max.100 VPower frequency withstand voltage power10 kV @ 60 s(wire - ijacket)10 kV @ 60 sMin. operating temperature (isket)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)60 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testing <td></td> <td></td>		
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 blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm²       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     astand class 6       Traversing distance (C-track)     5 m @ 25 °C       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       View - jackst     1000 V       Power frequency withstand voltage power     100 kV @ 60 s       Mir. operating temperature (static)     -50 °C       Max. operating temperature (static)     -50 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation brown), white (isolation black)       Amount strands (wire)     B4       Diameter of single wires     0,15 mm       Conductor wire     Stranded copper wire, bare       Conductor ropssection (wire)     1,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     13,3 Ω/km @ 20 °C       Nominal voltage power AC max.     1000 V       Power frequency withstand voltage power (wire - wire)     10 kV @ 60 s       Min. operating temperature (in, (wamic	Amount wires	5
Current load capacity mixe     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor rossection (wire)     1,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor rossection (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity mix wire     13,3 Ω/km @ 20 °C       Nominal voltage power AC max.     1000 V       Power frequency withstand voltage power     10 kV @ 60 s       Min. operating temperature (static)     -50 °C       Max. operating temperature (static)     -50 °C       Operating temperature (static)     -50 °C       Operating temperature (static)     -50 °C       Max. operating temperature (static)     -50 °C       Operating temperature (static)     -50 °C       Operating temp	Outer diameter insulation	2,3 mm
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Printing color of wire insulation     black (while isolation), while (isolation blue), while (isolation brown), while (isolation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor cossection (wire)     1.5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor or sossection (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       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       Electrical resistance line constant wire     13.3 0/km @ 20 °C       Nominal voltage power AC max.     1000 V       Power frequency withstand voltage power     10 kV @ 60 s       Min. operating temperature (statc)     -50 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (statc)     -50 °C       Operating temperature (statc)     -50 °C       Operating temperature (statc)     -50 °C       Operating temperature (statc)	Outer diameter tolerance core insulation	± 5 %
Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation brown), 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       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win. wire     13,3 CM:m @ 20 °C       Nominal voltage power AC max.     1000 V       Power frequency withstand voltage power (wire - wire)     10 kV @ 60 s       AC withstand voltage power (wire - wire)     10 kV @ 60 s       Min. operating temperature (tixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     60 °C	Shore hardness wire insulation	60 ± 5 Shore D
Amount strands (wire)   84     Diameter of single wires   0,15 mm     Conductor crosssection (wire)   1,5 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     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     Nominal voltage power AC max.   1000 V     Power frequency withstand voltage power (wire - wire)   10 kV @ 60 s     Min. opperating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Operating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Operating temperature (static)   -50 °C     Operating temperature (static)   -50 °C     Gasoline resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DiN K 00811-404   Good, application-related testing     Oil resis	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to NV     Power frequency withstand voltage power (wire - wire)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Conductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 0/km @ 20 °CNominal voltage power AC max.1000 VPower frequency withstand voltage power (wire - jacket)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (static)-50 °COperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 × Outer diameterBending radius (fixed)10 × Cuter diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Amount strands (wire)	84
Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       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       Nominal voltage power AC max.     1000 V       Power frequency withstand voltage power (wire - jacket)     10 kV @ 60 s       AC withstand voltage power (wire - wire)     10 kV @ 60 s       Max. operating temperature (static)     -50 °C       Max. operating temperature (static)     -50 °C       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature Good, application-related testing     Gaodine resistance       Good, application-related testing     Gaodine resistance       Good, application-related testing     Gaodine resistance	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °CNominal voltage power AC max.1000 VPower frequency withstand voltage power (wire - jacket)10 kV @ 60 sAC withstand voltage power (wire - wire)10 kV @ 60 sMax. operating temperature (static)-50 °CMax. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	1,5 mm <sup>2</sup>
Traversing distance (C-track)   5 m @ 25 °C     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     Nominal voltage power AC max.   1000 V     Power frequency withstand voltage power (wire - jacket)   10 kV @ 60 s     AC withstand voltage power (wire - wire)   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     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Material conductor wire	Stranded copper wire, bare
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     Nominal voltage power AC max.   1000 V     Power frequency withstand voltage power (wire - jacket)   10 kV @ 60 s     AC withstand voltage power (wire - wire)   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     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Conductor type (wire)	strand class 6
Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °CNominal voltage power AC max.1000 VPower frequency withstand voltage power (wire - jacket)10 kV @ 60 sAC withstand voltage power (wire - wire)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C
Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     Nominal voltage power AC max.   1000 V     Power frequency withstand voltage power   10 kV @ 60 s     AC withstand voltage power (wire - wire)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.1000 VPower frequency withstand voltage power (wire - jacket)10 kV @ 60 sAC withstand voltage power (wire - wire)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Current load capacity min. wire	13,5 A
Power frequency withstand voltage power (wire - jacket)10 kV @ 60 sAC withstand voltage power (wire - wire)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Electrical resistance line constant wire	13,3 Ω/km @ 20 °C
(wire - jacket)10 kV @ 60 sAC withstand voltage power (wire - wire)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Nominal voltage power AC max.	1000 V
Min. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceIDN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		10 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 OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	AC withstand voltage power (wire - wire)	10 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Operating temperature min. (dynamic)	-25 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Gasoline resistance	
Bending radius (dynamic) 10 x Outer diameter   No. of torsion cycles 2 Mio.   Torsion speed 35 cycles/min	Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of torsion cycles 2 Mio.   Torsion speed 35 cycles/min	Bending radius (fixed)	7,5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-27

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