

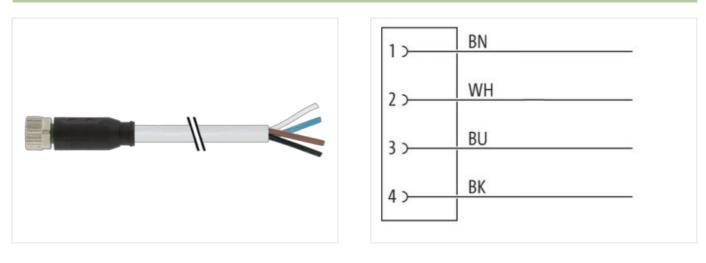
M8 female 0° A-cod. with cable

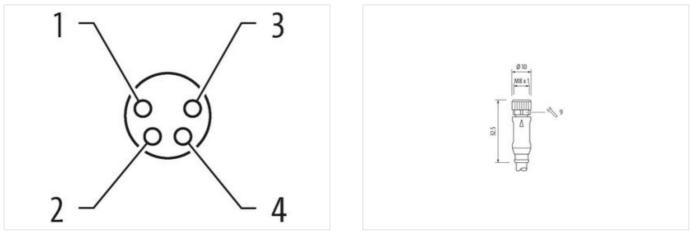
PUR 4x0.25 gy UL/CSA+drag ch. 7.5m

Female straight M8, 4-pole Art-No. 7005 - M8 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



7,5 m

0,4 Nm

Cable length

Side 1

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: 2024-05-20



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	Mounting method	inserted, screwed, Shaking protection

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: 2024-05-20



Operating temperature min.48 °COperating temperature may68 °CAdditional conduction temperature maydepending on cable qualityImportant Installation noiseProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Note on string radiusProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.CatornityProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision protection of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision protection of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Decision of the connectors by suitable measures from mechanical loads, e.g. by the usage of cable like.Catalia connectors and any subsci like like.Decision and any subsci like.Decision like	Environmental characteristics Climatic	
Additional condition temperature range depending on cable quality Important installation notes Instantion of the connection by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on stain relief Protect the connection by suitable measures from mechanical loads, e.g. by the usage of cable tes. Note on bending radiu Intention: Observe the purmissible bording radii when laying cables, as the IP protection class can be ending radii. Conformity Product standard Product standard DNE NN 1076 2-104 (MB) Installation 1 Cable Cable identification Cable identification 231 Cable Type 3 Additional condition 911 Stranding 4 wires twated wire arrangement brown, black, blue, while Cable weight 33 g/m Material jacket PUR Store hardness jacket PUR Cuber diameter (standii) 45 % Cuber diameter (standii) 12 S mm Cuber diameter (standii) 12 S mm Cuber diameter (standii) 12 S mm Cuber diameter (standii) 12 S mm ² Cuber diameter insulation	Operating temperature min.	-25 °C
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Note the information endangened by excessive bending forces. Contormity endangened by excessive bending forces. Product standard DNE N6 1076-2-104 (M8) Installation (Gable Cable Type 3 Cable Color gray Type of Certificate cUPus Amount stranding 1 Stranding 4 wress twisted Wree arrangement book, bud, bud, wite Cable display 33 g/m Material joket PUR Stranding 4 wrees twisted Outer diamoter (ackot) 4.5 mm Tereator form ingredenting (ackot) 4.5 mm Caller diamoter (ackot) 4.5 mm Caller diamoter (ackot) 1.5 mm Outer diamoter (ackot) 1.5 mm <th< td=""><td>Note on strain relief</td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.</td></th<>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard DIN EN 61076-2-104 (M8) Installication 231 Cable identification 231 Cable Color gray Type of Centificatien CUBus Amount stranding 1 Stranding 4 wires twisted wire arrangemont brown, black, blue, while Cable vergith 33 grm Material jacket PUR Stranding 4 wires twisted Wire arrangemont brown, black, blue, while Cable vergith 33 grm Material jacket PUR Stron hardnines jackot 0.4 5 Shore A Freedom from ingredients (gacket) lead-free, cadrimu-free, CFC-free, halogen-free, silicone-free Outer diameter (sheatth) ± 5 % Material wire insulation 7.0 ± 5 Shore D Outer diameter tolenance core insulation 7.0 ± 5 Shore D Ingredient treeness wire insulation 1.25 rm Conductor crossocolor (wire) 0.25 mr ³ Material donuburding wires 0.1 nm Conductor crossocolor (wire) 0.25 mr ³ Material donub	Note on bending radius	
Installation (Cable Cable infinitation 281 Cable Type 3 Cable Type 3 Standard Coor gray Type of Certificate OURus Amount stranding 1 Stranding 4 wires bristed wire arrangement brown, black, blue, while Cable weigh 33 grin Material jacket 90 1 5 Shore A Freedom from ingredents (jacket) 4.5 mm Tolerance outer diameter (jacket) 4.5 mm Tolerance outer diameter (jacket) 5.5 % Outer diameter insulation PP Amount strands 4 Outer diameter insulation 1.25 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.26 mm Outer diameter insulation 1.0 m Conductor type (wire) 32 mm Tornerd transite wire insulation 1.0 m @ 25 % <t< td=""><td>Conformity</td><td></td></t<>	Conformity	
Cable identification231Cable Type3Jacket CofrgrayType of CartificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whileCable weight33 gramMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)4,5 mmTolerance outer dameter (heath)± 5 %Outer-diameter (jacket)4,5 mmTolerance outer dameter (heath)± 5 %Amount wires4Outer diameter insulationPPAmount wires4Outer diameter insulation125 mmOuter diameter insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Shore hardness wire insulation125 %Outer diameter orisulation125 %Shore hardness wire insulation126 mmConductor crosses wire insulation128 mmOuter diameter orisulation128 mmConductor visces wire insulation128 mm ² Diameter or of single wires0,1 mmConductor visces wire insulation22Diameter or single wires0,1 mmConductor visces wire insulation26 % OricovalaNormal voltage AC max.300 VCurrent lad capacity (standard)10 m @ 25 % OricovalaNormal voltage AC insu.300 VCurrent lad capacity (standard) <td>Product standard</td> <td>DIN EN 61076-2-104 (M8)</td>	Product standard	DIN EN 61076-2-104 (M8)
Cable Type 3 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 s 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (silicatit) 4.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Caduetor crosssection (wire) 0.25 mm² Cander diameter insulation 1.25 mm Conductor tries Stranded copper wire, bare Conductor tries Outer diame	Installation Cable	
Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, while Cable weight 33 g/m Material jacket PUR Stron hardness jackal 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount stranding 1.25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient fereness wire insulation 70 ± 5 Shore D Ingredient fereness wire insulation 1.25 mm Conductor rowssection (wire) 0.25 mm² Materia vome insulation 70 ± 5 Shore D Ingredient fereness wire insulation 1.25 mm Conductor rowssection (wire) 0.25 mm² Diameter of angle wires 0,1 mm Conductor type (wire) Strand class 6 Traversing distance (C+rack) 10 m @ 25 °C (I horizontal Normal voltage (wire - wire) 2,5 kV @ 60 s Outer diameter (wire) 36 A <td< td=""><td>Cable identification</td><td>231</td></td<>	Cable identification	231
Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PP Amount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Conduct or grossection (vire) 0.25 mm ² Diameter of single wires 0.1 mm Conductor or weire Stranded copper wire, bare Conductor or weice Strand dias 6 Traversing distance (C-rack) 10 m @ 25 °C (I horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN V		
Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 4.5 mm Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material jacket PP Amount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Conduct or grossection (vire) 0.25 mm ² Diameter of single wires 0.1 mm Conductor or weire Stranded copper wire, bare Conductor or weice Strand dias 6 Traversing distance (C-rack) 10 m @ 25 °C (I horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN V		grav
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Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredents (jacket) lead-free, cadmium-free, CFC-free, halogen-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation ± 5 %. Shore hardness wire insulation 1.25 Shore D Ingredient freeness wire insulation 1.26 free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material onductor wire Stranded copper wire, bare Onductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power firequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power finequency withstand voltage (wire - wire) <t< td=""><td>wire arrangement</td><td>brown, black, blue, white</td></t<>	wire arrangement	brown, black, blue, white
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (jacket)5 %Material wire insulationPPAmount wires4Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter insulation70 ± 5 %Shore hardness wire insulation70 ± 5 %Shore hardness wire insulationi 25 %Shore hardness wire insulationi 24 free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor type (wire)stranded copper wire, bareConductor wireStranded copper wire, bareConductor wire <td< td=""><td>Cable weigth</td><td>33 g/m</td></td<>	Cable weigth	33 g/m
Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.5 mm Tolerance outer diameter (jacket) ± 5 % Material wise insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 16 ± 5 % Shore hardness wire insulation 16 ± 5 % Outer diameter tolerance core insulation 16 ± 5 % Shore hardness wire insulation 16 ± 5 % Onductor coressection (wire) 32 Diameter of single wires 0,1 mm Conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 - isolat wire) 2,5 k V @ 60 s	Material jacket	PUR
Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 % Shore hardness wire insulation 70 ± 5 % Shore hardness wire insulation 70 ± 5 % Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor vire Stranded copper wire, bare Conductor vire Strande copper wire, bare	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 12 5 % Diameter of single wires 0,1 mm Conductor crosssection (wire) 0.25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor vire Stranded copper wire, bare Conductor wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 cupacity (standard) to DIN VDE 0298-4 Current load cupacity (standard) to DIN VDE 0298-4 Current load cupacity (standard) to DIN VDE 0298-4	Outer-diameter (jacket)	4,5 mm
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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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - injacket) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 80 °C / 90 °C @ 100000 h Ope	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) 32 Diameter of single wires 0,1 mm Conductor cossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (mi. (dynamic) -25 °C Operating temperature mix. (dynamic) -25 °C Operating temperature mix. (dynamic) 80 °C / 90 °C @ 10000 h Operation	Amount wires	4
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor cosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - // ac °C 1.0 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 IU L 1581	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal 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 sPower frequency withstand voltage (wire - 'acket)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)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 - wire) 2,5 KV @ 60 s Power frequency withstand voltage (wire - approximation) 2,5 KV @ 60 s Min. 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 IEC 60322-2 I UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, app	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0.25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)3.6 AElectrical resistance line constant wire79 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 OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOut resistanceGood, application-related testingOut resistanceGood, application-related testingOut resistanceGood, application-related t	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal 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 min. wire 3,6 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (tixed) 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 IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil r	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 109 I UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Conductor crosssection (wire)	0,25 mm ²
Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 100 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testingOil resistanceGood, application-related testingOil resistanceSo Od, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	Traversing distance (C-track)	10 m @ 25 °C horizontal
Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 OperationFlame resistanceIEC 6032-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood,	Nominal voltage AC max.	300 V
Electrical resistance line constant wire79 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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Current load capacity (standard)	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 OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGoo	Current load capacity min. wire	3,6 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameter	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameter		2,5 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Dil resistance S × Outer diameter	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	-25 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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Travel speed (C-track)	10 Mio. @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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