

## M8 female 0° A-cod. with cable shielded

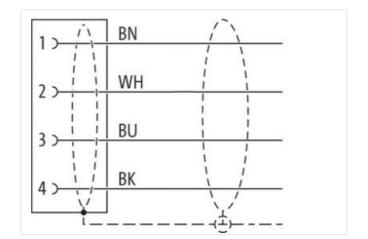
PUR 4x0.34 shielded bk UL/CSA+drag ch. 5m

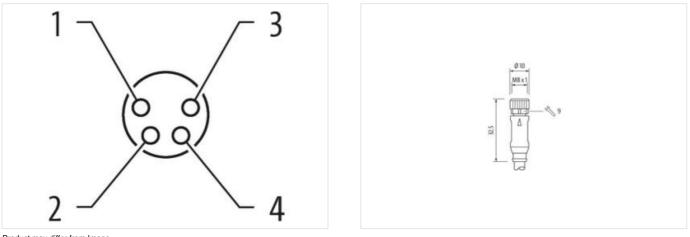
Female straight M8, 4-pole shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product









Product may differ from Image



Cable length	5 m	
Side 1		
Tightening torque	0,4 Nm	

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

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Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	8,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879423397
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
Cable identification	641

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Journal Jone     Back       Type of Certificate     clPus       Amount stranding     1       Stranding     4 wiess twisted       Cable shielding (coverage)     80 %       Banding     Fleece, Foll       Wire a transport     boxe, Mack, Mained       Cable shielding (coverage)     80 %       Banding     Fleece, Foll       Wire a transport     boxe, Mack, Mained       Cable weight     50.6 g/m       Material jacket     PUR       Strone hardness jacket     90 ± 5 Store A       Freedom from ingroudents (jacket)     5.3 mm       Clored dameding (jacket)     5.3 mm       Clored dameding (jacket)     5.3 mm       Clored dameding vie insulation     PP       Amount stranding vie insulation     1.2 S mm       Clored diameter insulation     1.2 S mm       Clored d	Cable Type	3
Type of Certificate     cUPus       Amount stranding     1       Stranding     4 vires lostadd       Cable shelding (type)     copport brial5, finend       Cable shelding (type)     50 %       Barating     Fleece, Fol       wire arrangement     brown, black, blue, white       Cable shelding (torvarge)     50 %       Stable haddines [solid     90 1 \$ Shore A       Presetion from ingresterms [solid     90 5 \$ Shore A       Presetion from ingresterms [solid+]     5.3 mm       Outer-diameter (solide)     5.3 mm       Outer diameter (solide)     5.4 mm       Outer diameter (solide)     1.25 mm       Outer diameter (solide)     1.25 mm       Outer diameter (solide)     1.25 km       Shore hadness wire insulation     1.25 km       Shore hadness wire insulation     1.25 km       Shore hadness wire insulation     1.64 %       Shore hadness wire insulation     1.64 %       Shore hadness wire insulation     1.64 %       Shore hadness wire insulation     1.65 %       Shore hadness wire insulation     1.65 %       Shore 25 C		
Arrourt stranding     1       Stranding     4 wires twisted       Cable shiekling (type)     copper brack, thuned       Cable shiekling (coverage)     80 %       Barding     Fleese, Foll       wire arrangement     brown, black, blue, white       Cable weight     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freadom from ingredents (jacket)     5.3 mm       Tolerance cuter diameter (facket)     5.3 mm       Outer-diameter (jacket)     5.3 mm       Outer diameter (iacket)     5.4 %       Material wire insulation     PP       Armount wires     4       Outer diameter (iacket)     7.0 ± 5 Shore A       Freedom from ingredom fromeser wire insulation     1.25 mm       Outer diameter information     1.2 5 mm       Outer diameter informatin (fine, GFC-free,		
Stranding 4 wires twisted   Cable Stelding (type) copper brail, fined   Cable Stelding (type) 60 %   Banding Fleece, Foil   wire arrangement bown, black, blue, while   Cable Stelding (type) 60 %   Starting Fleece, Foil   wire arrangement bown, black, blue, while   Cable stelding (type) 60 %   Starte Arrangement bown, black, blue, while   Cable stelding (type) 60 %   Teractor form ingredients (lacket) laed-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer diameter (lacket) 5 %   Material (arbeit) 1.6 %   Material wire insulation 1.25 mm   Outer diameter (lacket) 1.6 % %   Store hardness wire insulation 1.25 Shore D   Ingredient freeness wire insulation 1.25 Shore D   Ingredient freeness wire insulation 1.25 Shore D   Ingredient freeness wire insulation 1.24 % %   Outer diameter (lacket) 5 m @ 25 %   Store hardness wire insulation 1.24 % %   Outer diameter (lacket) 5 m @ 25 %   Store hardness wire insulation 1.25 Shore D   Immedre diamiter (lacket) 0.01 mm   Canductor rossescilion (wire) 0.24 mm²		
Cable sineding (typo)     coppor braid, limited       Cable sineding (towrago)     80 %       Barding     Fleece, Foll       wire arrangement     brown, black, blue, white       Cable singtim     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90.5 Shore A       Freedom from ingredonts (tackab)     lead free, cadmium-free, CFC free, halogen-free, silicone free       Outer-diameter (tacket)     5.5 mm       Tolerance outer diameter (sheath)     ±.5 %       Material via instantion     PP       Amount whes     4       Outer-diameter insulation     ±.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     ±.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     ±.5 %       Shore hardness wire insulation     1.25 mm       Caddoctor crossection (wire)     0.34 mm?       Caddoctor crossection (wire)     0.34 mm?       Caddoctor crossection (wire)     0.34 mm?       Caddoctor wire     S.6 @ 25 °C   Incordial       Conductor tyre (wire)     standed copper wire, bare <td></td> <td>4 wires twisted</td>		4 wires twisted
Gable shielding (coverage)     80 %       Banding     Fileace, Foll       Wire arrangement     brown, black, ble, white       Cable weight     50.6 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     bask freedom from ingredients (jacket)       Outer-diameter (jacket)     1.5 %       Material jacket     90 ± 5 Shore A       Tolerance outer diameter (sheath)     1.5 %       Material jacket     90 ± 5 Shore A       Tolerance outer diameter (sheath)     1.5 %       Material invest insulation     1.25 mm       Outer diameter insulation     7.0 ± 5 Shore D       Ingredient freeness wire insulation     1.82 fm       Anount wires     0.1 mm       Conduct crassection (wire)     0.34 mm?       Material conduct vrike     5 m (a castmum free, CFC free, halogen free, alloone free       Anount strands (wire)     42       Diameter of angle wires     0.1 mm       Conductor crassection (wire)     0.34 mm?       Material conductor wire     ST maded copper wire, bare       Conductor trype (wire)     stranded copper wire, bare       Constutor		
Banding     Flaece, Foll       wire arrangement     brown, black, blue, while       Cable weigh     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedon Train jacket     90 ± 5 Shore A       Freedon Train jacket     5.3 mm       Colume diamater (jacket)     5.3 mm       Tolerance outer diamater (jacket)     5.3 mm       Outer diamater insulation     PP       Amount wires     4       Outer diamater tolerance core insulation     1.25 mm       Outer diamater insulation     70 ± 5 Shore D       Tingridont Tolerance swire insulation     70 ± 5 Shore D       Tingridont Tolerance swire insulation     70 ± 5 Shore D       Tingridont Tolerance swire insulation     82       Diameter of single wires     0,1 mm       Conductor type (wire)     strand dosper wire, bare       Conductor type (wire)		
wire arrangement     brown, black, blue, white       Cable weight     50.6 g/m       Matrial jacket     PUR       Shore hardness jacket     90.15 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, allicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (relevalut)     1.5 %       Matrial view insulation     PP       Amount wires     4       Outer diameter (relevance oure insulation     1.25 mm       Outer diameter transcature insulation     1.25 mm       Conductor roressection (wire)     0.4 mm <sup>3</sup> Marcat stands (wire)     42       Diameter of single wires     0.1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare  <		
Gabie weight     50,6 g/m       Material jacket     PUF       Shohe hardness jacket     90,4 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5.3 mm       Outer diameter (insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeses wire insulation     70 ± 5 Shore D       Ingredient freeses wire insulation     70 ± 5 Shore D       Ingredient freeses wire insulation     1.25 mm       Conductor accesses wire insulation     0.34 mm <sup>2</sup> Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor accessescion (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor accessescion (wire)     0.44 mm <sup>2</sup> Conductor accessescion (wire)     0.44 mm <sup>2</sup> Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4 <		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Tom ingrediunts (jacket)     Isad-free, cadmium-free, CPC-free, halogen-free       Outer diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.3 mm       Outer diameter insulation     PP       Amount stands     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     70 ± 5 Shore D       Amount stands (wie)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0.34 mm?       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C I horizontal       Nominal voltage AC max.     300 V       Current load capacity min.wire     4.8 A       Electrical resistance     10 NVDE 0288-4       Current load capacity min.wire     4.8 A       Power frequency w		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer diameter (jacket)     5,3 mm       Tolarance outer diameter (shealth)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 fbre D       Shore hardness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount wires     4       Conductor crossection (vire)     0,34 mm <sup>2</sup> Conductor vires     Strand class 6       Traversing distance (C-track)     5 m @ 25 °C1 (broizontal       Nominal voitage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4  <		
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)5.3 mmTolerance outer diameter (sheatt)5 %Matorial wire insulationPPAmount wires4Outer diameter (solation)1.25 mmOuter diameter (solation)1.25 mmOuter diameter tolerance core insulation1.5 %Shore hardness wire insulation70 ± 5 % fore DIngredient freeness wire insulation1.24 mmIngredient freeness wire insulation1.24 mmConductor orsessection (wire)42Diameter of single wires0.1 mmConductor orsessection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor orsessection (wire)0.42 mand class 6Traversing distance (C+rack)5 m @ 25 °C   horizontalNominal voltage (wire - wire)2 kV @ 60 sAC withstand voltage (wire - wire)2 kV @ 60 sAC withstand voltage (wire - wire)2 kV @ 60 sMa. operating temperature (stact)40 °CMax. operating temperature (stact)40 °CMax. operating temperature (stact)40 °CMax. operating temperature (stact)40 °C <t< td=""><td></td><td>90 ± 5 Shore A</td></t<>		90 ± 5 Shore A
Outer diameter (jacket)     5,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter risulation     1,25 mm       Outer diameter tolerance core insulation     7 ± 5 Shore D       Ingredent freeness wire insulation     70 ± 5 Shore D       Ingredent freeness wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor type (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current toal capacity (standard)     to DIN VDE 028i-4       Current toal capacity (min, wire     4,8 A       Electrical resistance line constant wire     57 CArm @ 20 °C <t< td=""><td></td><td></td></t<>		
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Anount wires   4     Outer diameter Insulation   1.25 mm     Outer diameter Iolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C+rack)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0284-4     Current load capacity (standard)   to DIN VDE 0284-4     Current load capacity (standard)   to DIN VDE 0284-4     Current load capacity (standard)   2 kV @ 60 s     Power frequency withstand voltage (wire - sineld)   2 kV @ 60 s     AC withstand voltage (wire - sineld)   2 kV @ 60 s     Operating temperature (tick)   40 °C     Max. operating temperature (tick)   80 °C / 90 °C @ 10000 h Operation		
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     25 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     125 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     124 Shore D       Ingredient freeness wire insulation     124 Shore D       Manust Strands (wire)     42       Diameter of single wires     0,1 mm       Conductor orsseection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor trype (wire)     stranded copper wire, bare       Corrent toad capacity (winchardor)     to DIN VDE 0298-4       Current toad capacity (winchardor)     to DIN VDE 0298-4       Current toad capacity (w		·
Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   10 ± 5 Shore D     Ingredient freeness wire insulation   10 ± 5 Shore D     Ingredient freeness wire insulation   10 ± 5 Shore D     Diameter of single wires   0,1 mm     Conductor cossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (strandard)   to DIN VDE 0298.4     Current load capacity (strandard)   to DIN VDE 0298.4     Current load capacity (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - isoled)   2 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   80 °C / 90 °C @ 10000 h Operation     Oyerating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance </td <td></td> <td></td>		
Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Imgredent Thereness wire insulation     tead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor rossesction (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor toge (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - size accombat wire 67 D/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency w		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity mix wire     4,8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Mix. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (statc)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (statc)     60 °C / 90 °C @ 10000 h Operation       Operating temperature mix. (dynamic)     80 °C / 90 °C @ 100	Outer diameter insulation	1.25 mm
Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0.1 mm     Conductor rossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     AC winstand voltage (wire - shield)   2 80 °C / 90 °C @ 10000 h Operation     Operating temperature (skac)   -40 °C     Mas. operating temperature (skac)   -40 °C     Mas. operating temperature (skac)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (skac)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN E NISO 4882-2 A     Flame resistance   IEC 6032-2-21 /UL 1581		·
Ingredient freeness wire insulation   lead-free, cdmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor (vire)   strand class 6     Traversing distance (C-track)   5 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 (win-wire)   2 kV @ 60 s     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Querting temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature min. (dyn	Shore hardness wire insulation	
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 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. wire)4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (inc) (short)-25 °COperating temperature (inc) (short)-25 °COil resistanceD		
Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     Min: operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -60 °C     Masc. operating temperature (static)   -60 °C     Masc. operating temperature (static)   80 °C / 90 °C @ 10000 h Operation	-	
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 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 wine4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-22 / UL 1581 § 1090 / UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGil resistanceDIN EN 6081-404 / Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	. ,	
Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 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 (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4.8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - algo a constant wire)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related test		·
Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4.8 A       Electrical resistance line constant wire     57 Q/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     2 kV @ 60 s       AC withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     DIN EN 1806 411-404   Good, application-related testing       Gasoline resistance     DIN EN 1806 11-404   Good, application-related testing       Gasoline resistance     DIN EN 1806 11-404   Good, application-related testing       Gasoline resistance     DIN EN 1806 11-404   Good, application-related testing		
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Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °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     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   IEC 60332-2 2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oll resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m		
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AC withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   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   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   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   ± 30 °/m		·
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Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   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   ± 30 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   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   ± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 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 ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/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

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