

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

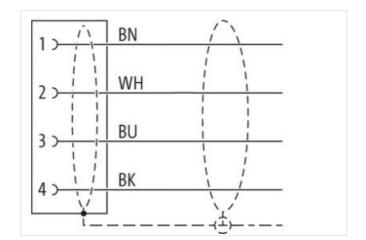
PUR 4x0.34 shielded bk UL/CSA+drag ch. 25m

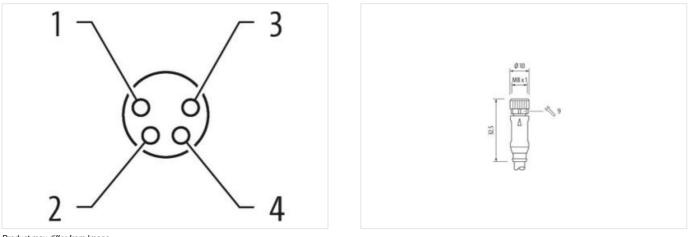
Female straight M8, 4-pole shielded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product









Product may differ from Image



Cable length	25 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	4048879599740
Packaging unit	1
Electrical data   Supply	
	50 V
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	
	inserted serviced Challing protection
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 Color     black       Type of Certificate     c.JPus       Amount stranding     1       Stranding     4 wires weisted       Cable shielding (coverage)     80.%       Bandring     Fiseco, Foll       wires arrangement     brown, Jaack, blue, white       Cable weight     50.6 g/m       Attachtal jack     90.4 5 Store A       Freedom from ingredients (jacker)     93.5 Store A       Freedom from ingredients (jacker)     93.5 Store A       Freedom from ingredients (jacker)     93.5 Store A       Freedom from ingredients (jacker)     5.3 mm       Coler diameter (storaker)     5.3 mm       Coler diameter (storaker)     5.3 mm       Outer diameter installation     71.5 Store D       Amount stranding (wrie)     4       Outer diameter installation     71.5 Store D       Fore hardness weir installation     71.5 Store D       Granduct veir installation     72.5 Store D       G	Cable Type	3
Type of Certificate     cL/Puis       Amount stranding     1       Stranding     4 vies kvisted       Cable selecting (coverage)     00 %       Banding     Fleece, Fiel       wire arrangement     brown, black, blue, white       Cable selecting (coverage)     00 %       Banding     Fleece, Fiel       wire arrangement     brown, black, blue, white       Cable weigh     0.0 § gm       Material jacket     PUR       Shore hardness jackal     0.0 § Shore A       Freedom from ingredents (jacket)     1.6 %       Material veri fameter (jacket)     5.3 mm       Outer diameter (acted (jacket)     5.3 mm       Outer diameter (jacket)     1.25 mm       Outer diameter (acted (jacket)     1.25 mm       Outer diameter brance core insulation     1.25 mm       Conter diameter insulation     1.25 mm       Outer diameter solution     1.25 m       Conduct (trainees wire insulation     1.26 %       Share hardness wire insulation     1.26 %       Diameter (acted)     5.3 fore D       Ingrediont (trainees are insulation     1.25		
Armout stranding     1       Stranding     4 wite wisted       Cable sitekting (coverage)     80 %       Banding     Pieces, Foil       wire arrangement     brown, black, blue, white       Cable sitekting (coverage)     80 %       Banding     Fieces, Foil       wire arrangement     brown, black, blue, white       Cable weight     50,6 g/m       Material jacket     PUR       Shore Andress jacket     90 ± 5.5 hore A       Freedom from ingredents (jacket)     15.4 %       Material weight     5.5 % mm       Tolerance cuter diameter (facket)     5.5 % mm       Outer-diameter (jacket)     5.5 % mm       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.5 %       Imareter size insulation     1.6 %       Gandent strands (wire)     42       Diameter of single weis     0.1 mm       Conductor type (wire)     stranded copper wire, bare       Conductor ty		
Stranding     4 wires twisted       Cable Stelding (type)     cooper braid, fined       Cable Stelding (type)     00 %       Banding     Fleece, Foll       wire arrangement     brown, black, blue, while       Cable stelding (type)     00 %       Stranding     PLece, Foll       wire arrangement     brown, black, blue, while       Cable stelding (type)     00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	<i></i>	
Cable sinelding (type)     coppor braid, linned       Cable sinelding (coverage)     80 %       Barding     Fleece, Foll       wire arrangement     brown, black, blue, white       Cable singth     50.6 g/m       Material jacket     PUR       Shore hardness jackat     80.1 S Shore A       Freedom from ingredents (jacket)     53.5 mm       Tolerance outer diameter (jacket)     5.5 mm       Tolerance outer diameter (jacket)     5.5 mm       Tolerance outer diameter (jacket)     5.5 mm       Cuter diameter insulation     PP       Amount wholes     4       Cuter diameter insulation     1.25 mm       Cuter diameter insulation		4 wires twisted
Cable shielding (coverage)     80 %       Banding     Filoco, Fol       Weire arrangement     brown, black, blue, white       Cable weight     50.6 g/m       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead/see, cadmum-free, CFC-free, halogen-free, allcone-free       Outer diameter (jacket)     1 ± 5 %       Material jacket     90 ± 5 Shore A       Tokrance outer diameter (sheath)     1 ± 5 %       Material jacket     91 ± 5 %       Material wei insulation     PP       Amount wires     4       Outer diameter insulation     7.0 ± 5 Shore D       Ingredimt Freenese wire insulation     1.25 mm       Outer diameter insulation     1.24 mc       Manuel starket (wire)     42       Diameter of alingle wires     0.1 mm       Conductor crossection (wire)     0.34 mm²       Material conduct wire     Strande copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (Chrack)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Cururentod capacity fist.m wrife     34 A		
Banding     Fleece, Fol       wire arrangement     Urown, black, blue, white       Cable weigh     50,8 µm       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Trem ingridients (jacket)     Isad Free, cadmum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.5 %       Amount wires     4       Outer diameter insulation     1.25 mm       Condut		
wire arrangement     brown, black, blue, white       Cable weight     50.6 g/m       Matrial jackat     PUR       Shore hardness jacket     90.15 Shore A       Freedom from ingredents (jacket)     lead-flee, cadmium-free, CFC-free, halogen-free, allicone-free       Outer diameter (jacket)     5.3 mm       Tolerance outer diameter (jacket)     5.5 %       Matrial weis     4       Outer diameter (jacket)     1.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 %       Tardeness wire insulation     1.25 %       Canductor coressection (wire)     0.24 mm <sup>2</sup> Maront stank5 (wire)     42       Diameter of single wires     0.1 mm       Canductor vire     Stranded copper wire, bare       Canductor vire     Stranded		
Gabie weigh     \$0,6 g/m       Material jacket     PUR       Shore hardness jacket     912 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5.3 mm       Tolerance outer diameter (shealth)     5.5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.45 %       Shore hardness wire insulation     1.45 %       Shore hardness wire insulation     1.45 %       Sonder strands (wire)     4.2       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm²       Material conductor wires     Sin @ 25 °C   horizontal       Nominal voltage AC max     300 V       Cournet load capacity (stind and )     to DIN VDE D284-4       Current load capacity (stind and )     to DIN V		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Tom ingredinets (jacket)     Isad-free, cadmium-free, CFC-free, halogen-free, silicone-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 stards     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     1.85 %.       Shore hardness wire insulation     1.82 framd       Conductor crossection (wire)     0.14 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   horizontal       Nominal votage AC max.     300 V       Current load capacity (islandard)     to DIN VDE 0298.4       Current load capacity (islandard)     to DIN VDE 0298.4       Current load capacity (inin, wire	-	
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5.3 mm       Tolerance outer diameter (shealth)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Shore hardness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount wires     4       Conductor cossection (vire)     0.34 mm <sup>2</sup> Diameter of single wires     0.1 mm       Conductor vire (vire)     strand class 6       Traversing distance (C-rack)     5 m @ 25 °C1 (broicntal       Norminal voitage 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       Outer-diameter (jacket)     5,3 mm       Material wire insulation     PP       Amount wires     4       Outer diameter (solutation)     125 mm       Outer diameters wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     184 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor trossection (wire)     0.34 mm <sup>2</sup> Tarwersing distance (C+rack)     5 m @ 25 °C I horizontal       Nominal voltage (wire - wire)     2 kV @ 60 s       AC     withstand		90 ± 5 Shore A
Outer diameter (jacket)     5,3 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 D       Ingredent freeness wire insulation     16 %       Shore hardness wire insulation     16 %       Diameter of bige wires     0,1 mm       Conductor cossesection (wire)     0,24 mm²       Material conductor wire     Strande copper wire, bare       Conductor type (wire)     0,34 mm²       Material conductor wire     Strande closes 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 028-4       Current to ac qapacity (standard)     to DIN VDE 0		
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAnount wires4Outer diameter insulation1.25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $70 \pm$ 5 Shore DImgredient freeness wire insulation $70 \pm$ 5 Shore DImgredient freeness wire insulation $70 \pm$ 5 Shore DImgredient freeness wire insulation $8ad$ 'ree, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) $42$ Diameter of single wires $0,1$ mmConductor crossection (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 028-4Current load capacity (standard)to DIN VDE 028-4Current load capacity (standard)2 kV @ 60 sPower frequency withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - wire)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMin. operating temperature (fixed) $80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 $		
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter iosulation     70.4 5 Shore D       Ingredient treeness wire insulation     70.4 5 Shore D       Ingredient treeness wire insulation     164.7 es, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor trype (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor trype (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       Zow (withstand voltage (wire - wire)     2 kV @ 60 s       Coverating temperature (static)     40 °C       Max. operating temperature (static)     40 °C (90 °C (20000 h Operation)       Operating temperature (static)     40 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C /	<u> </u>	•
Amount wires 4   Outer diameter insulation 1.25 mm   Outer diameter tolerance core insulation 1.5 %   Shore hardness wire insulation 70.15 Shore D   Ingredient freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Amount strands (wire) 42   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 (standard) to DIN VDE 0298-4   Current load capacity (wire - wire) 2 kV @ 60 s   AC withstand voltage (wire - wire) 2 kV @ 60 s   Mak. operating temperature (kitk) -40 °C   Max. operating temperature (kitk) -40 °C   Max. operating temperature (kitk) 80 °C / 90 °C @ 10000 h Operation   Operating temperature max. (kynamic) -25 °C   Operating temperature max. (kynamic) -25 °C   Operating temperature max. (kynamic) 80 °C / 90 °C @ 10000 h Operation   UV resistance IDK EO 63032-22 / U 1581 § 1100 FT2   Chemical resistance<		
Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     125 hore D       Imgredient Thereness wire insulation     lead-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 (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 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - size)     2 kV @ 60 s       AC withstand voltage (wire - size)     2 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -26 °C       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 100000 h Operation       UV		
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   Wire     Current load capacity min. wire   4.8 A     Electrical resistance   In Wire & 60 s     AC withstand voltage (wire - wire)   2 kV @ 60 s     Min: operating temperature (state)   -40 * C <td< td=""><td></td><td></td></td<>		
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 rocsseection (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 C/km @ 20 °C     AC withstand voltage (wire - shield)   2 kV @ 60 s     AC withstand voltage (wire - shield)   2 kV @ 60 s     Mar. operating temperature (static)   -40 °C     Max. operating temperature (kixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (kixed)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   IEC 6032-2-2 [ UL 1581 § 100 [ UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, appli		
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,34 mm <sup>2</sup> 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 (wire- wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - 4.8 A     Electrical resistance line constant wire   57 Ω km @ 20 °C     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (statc)   -40 °C     Max. operating temperature (statc)   40 °C     Quert stance   DIN EN 60 492-2 A     Flame resistance   IEC 60332-2-2   UL 1581 § 1000   UL 1581 § 1100 FT2     Other stance   Good, application-related testing     Gasoline resistance   Good, application-related testing		
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 (standard)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - server (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (ixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIE 60332-22 I UL 1581 § 1090   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN ISO 4892-2 AFlame resistanceIE 60332-22 I UL 1581 § 1090   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingBending radius (dynamic)10 × Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
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 (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2 kV @ 60 s     Power frequency withstand voltage (wire - shield)   2 kV @ 60 s     Max. operating temperature (static)   -40 °C     Masc. operating temperature (static)   -40 °C     Masc. operating temperature (static)   -60 °C / 90 °C @ 10000 h Operation     UV resist	-	
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 wine.4,8 AElectrical resistance line constant wire5 rû/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 °COperating temperature min. (dynamic)-25 °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 testingGasoline resistanceDIN EN 60811-404   Good, application-related testingBending radius (dynamic)5 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)10 x Outer diameterBending radius (dynamic)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Travel speed (C-track)5 Mio.N		
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 withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     40 °C       Max. operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       OV Vr esistance     DIN EN ISO 4892-2 A       Flame resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resistance     DIN EN 60911-404   Good, application-related testing <tr< td=""><td></td><td>· · · · · · · · · · · · · · · · · · ·</td></tr<>		· · · · · · · · · · · · · · · · · · ·
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)     5 T 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 (ifxed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing       Gasolin		•
Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 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 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 I UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m		
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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 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     Oli resistance   DIN EN 160811-404   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		· · · · · · · · · · · · · · · · · · ·
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     AC withstand voltage (wire - shield)   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 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     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		to DIN VDE 0298-4
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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     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		± 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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