

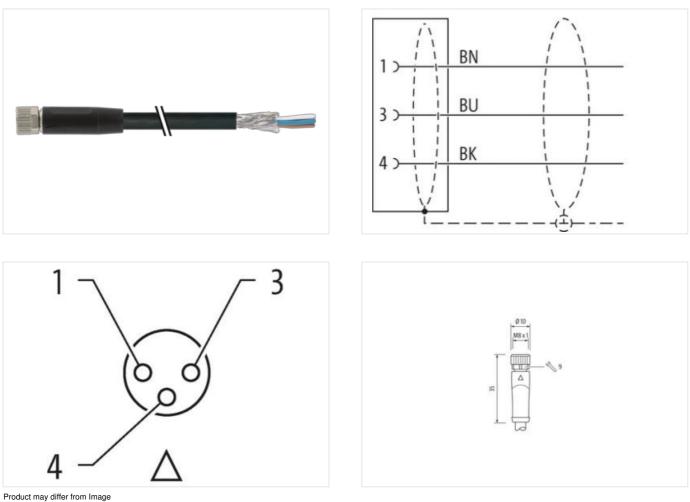
## M8 female 0° A-cod. with cable shielded

PUR 3x0.34 shielded bk UL/CSA+drag ch. 12m

Female straight M8, 3-pole shielded with cable sleeves Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

## Illustration





12 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: 2024-06-02

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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	4048879504324
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
Rated surge voltage	1,5 kV
Mechanical data   Material data	
Coating of fitting	nickel plated
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 ℃
Operating temperature max.	-25 °C 85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief Note on bending radius	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	อานสามุอาชน by อิงบอออเพอ มอานแทบ เบเบชอ.
	DIN EN 61076 2 114 (M0)
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	640
Cable Type	3
Jacket Color	black
Type of Certificate	cURus

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Stranding   3 wires twisted     Cable shielding (type)   cooper braid, linned     Cable shielding (coverage)   80 %     Banding   Fleece, Foll     wire arrangement   brown, black, blue     Cable weight   44 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredents (jacket)   Iseaf-tree, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material via insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm     Conductor trossesetion (wire)	Amount stranding	1
Cable shielding (coverage)     80 %       Banding     Fleece, Foll       wire arrangement     brow, black, blue       Cable weigth     44 g/m       Material jacket     PUR       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5 mm       Tolerance outer diameter (jacket)     5 mm       Tolerance outer diameter (jacket)     1.25 mm       Outer diameter insulation     PP       Amount wires     3       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     8.44 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor type (wire)     5.4 mm <sup>3</sup> Material voltage AC max     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (mix- wire)     2.kV @ 60 s <td< td=""><td>Stranding</td><td>3 wires twisted</td></td<>	Stranding	3 wires twisted
Banding     Fleece, Foil       wire arrangement     brown, black, blue       Cable weigh     44 g/m       Material jacket     PUR       Shore hardness jacket     90 5 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 m       Tolerance outer (jameter (sheath)     1 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter (sheath)     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     10.3 fmm       Ingredient freeness wire insulation     10.4 fmm       Conductor crosssection (wire)     0.34 mm <sup>9</sup> Conductor wire     Stranded coppor wire, bare       Conductor wire (wire)     stranded case 6       Nominal voltage AC max:     300 V       Currento	Cable shielding (type)	copper braid, tinned
wire arrangement     brown, black, blue       Cable weigth     44 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 m       Tolerance outer diameter (sheath)     5 th 5%       Material wire insulation     PP       Amount Wires     3       Outer diameter foul-ance core insulation     1.25 mm       Outer diameter tolerance core insulation     70 ± 5 %       Shore hardness wire insulation     70 ± 5 %       Mount stands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0.34 mm <sup>9</sup> Material conductor wire     Stranded copper wire, bare       Conductor vire)     strandel case 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     6 A       Electrical resistance line constant wire     57 /0 km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 6 0 s       Power frequency withstand voltage (wire - shield)     2 kV @ 6 0 s	Cable shielding (coverage)	80 %
Cable weight   44 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter (sheath)   ± 5 %     Shore hardness wire insulation   1,25 mm     Outer diameter tolerance core insulation   1 ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor orsessection (wire)   0.34 mm²     Material conductor wire   Strand class 6     Nominal voltage (wire)   strand class 6     Outer dianeter (usedapacity (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 (standard)   to DIN VDE 0298-4     Curent load capacit	Banding	Fleece, Foil
Material jacket     PUR       Shore hardness jackt     90 ± 5 Shore A       Freedom from ingredients (jacket)     Isad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter lolerance core insulation     1.25 mm       Outer diameter lolerance core insulation     1.25 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.25 from 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 or sossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2 kV @ 60 s	wire arrangement	brown, black, blue
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 mm       Tolerance outer diameter (jacket)     5 fs       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Cuter diameter folorance core insulation     1 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1 5 %       Shore hardness wire insulation     1 4 2       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       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)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Ac withstand voltage (wire - shield)     2 kV @ 60 s       Max. operating t	Cable weigth	44 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-cliameter (jacket)   5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter lolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   16 %     Shore hardness wire insulation   tead-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 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current toad capacity mix-wire   6 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 - sile(d)   2 kV @ 60 s     Mix. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operat	Material jacket	PUR
Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       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)     42       Diameter of single wires     0,1 mm       Conductor rowsesection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win: wire     6 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 - sheld)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperatur	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation $\pm$ 5 %Shore hardness wire insulation $70 \pm$ 5 Shore DIngredient freeness wire insulation $70 \pm$ 5 Shore DIngredient freeness wire insulation $12 \pm$ 5 %Mount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Christand voltage (wire - islei	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wices     3       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     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 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nomial voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - also a scalard)     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 O	Outer-diameter (jacket)	5 mm
Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter lolerance core insulation   1,5 %     Shore hardness wire insulation   70 ± 5 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 wire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire   Stranded copper wire, bare     Conductor vire (wire)   strande copper wire, bare     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (win, wire   6 A     Electrical resistance line constant wire   57 0/km @ 20 °C     AC withstand voltage (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max operating temperature (static) <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
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)   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     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity win. wire   6 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2 kV @ 60 s     Ac withstand voltage (wire - shield)   2 kV @ 60 s     Main operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (mix. (dynamic))   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation	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)     42       Diameter of single wires     0,1 mm       Conductor orsesection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     6 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Ac withstand voltage (wire - wire)     2 kV @ 60 s       Ac withstand voltage (wire - shield)     2 kV @ 60 s       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (min. (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 r	Amount wires	3
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 crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       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       Power frequency withstand voltage (wire - igacket)     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 (fixed)     80 °C / 90 °C @ 10000 h Operation       OV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2       chemical resistance     Good, application-relate testing       Gasoline resistance     Good, application-related	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal 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 - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (istatic)-40 °CMax. operating temperature (istatic)-25 °COperating temperature max. (dynamic)-25 °COperating temperat	Outer diameter tolerance core insulation	±5%
Amount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationQperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Shore hardness wire insulation	70 ± 5 Shore D
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     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   6 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 (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     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)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 (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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 sMax. 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 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 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Conductor type (wire)	strand class 6
Current load capacity min. wire6 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 (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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Nominal voltage AC max.	300 V
Electrical 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 (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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
AC 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 (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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 kV @ 60 sAC withstand voltage (wire - shield)2 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2 kV @ 60 sAC withstand voltage (wire - shield)2 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing		2 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testing	Operating temperature min. (dynamic)	-25 °C
Flame resistance   UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing	UV resistance	
Gasoline resistance Good, application-related testing	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
	chemical resistance	Good, application-related testing
Oil resistance Good, application-related testing   DIN EN 60811-404	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed) 5 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic) 10 x Outer diameter	Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track) 5 Mio. @ 25 °C	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track) 5 m @ 25 °C   horizontal	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Travel speed (C-track)3,3 m/s @ 25 °C	Travel speed (C-track)	3,3 m/s @ 25 °C
No. of torsion cycles 2 Mio.	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m	Torsion stress	± 30 °/m
Torsion speed 35 cycles/min	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: 2024-06-02

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