

## M12 female 90° A-cod. with cable shielded

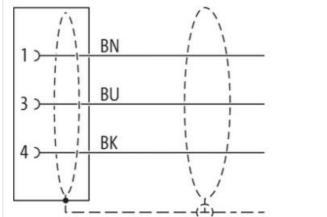
PUR 3x0.34 shielded gy UL/CSA+drag ch. 3m

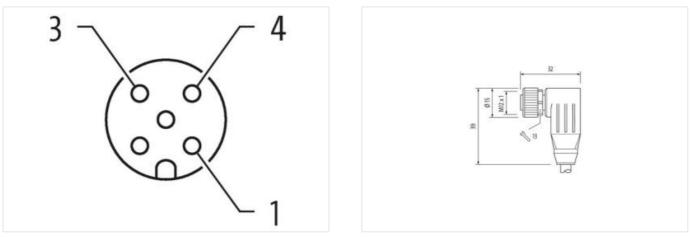
Female 90° M12, 3-pole shielded A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



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: 2024-04-20

3 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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	4048879811811
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	

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Cable Type     3       Jackai Cobr     grav       Type of Certificate     CLFUs       Arnount standing     1       Stranding     3 wiss wisked       Cable strikeding (coverage)     80 %       Banding     Flaese. Foll       Wire strangement     brown, black, blue       No. of bending yopies (C-track).     5 Mio. @ 25 °C       Cable strikeding (coverage)     80 %: 5 Store A       Store hardness (socket     90 ± 5 Store A       Freedom from ingradents (storket)     80 ± 5 Store A       Freedom from ingradents (storket)     80 ± 5 Store A       Freedom from ingradents (storket)     80 ± 5 Store A       Outer diameter (storket)     5 %       Material work instantion     PP       Amount virise     8       Outer diameter wire instantion     71 ± 5 %       Store hardness wire instantion     12 5 %       Store hardness wire instantion     71 ± 5 %       Braneter of single wires <th>Cable identification</th> <th>240</th>	Cable identification	240
Jacket Coor     gray       Type i Certificate     cuBus       Amount standing     1       Stranding     3 wies tweled       Cable silvating (type)     copper transit, finding       Cable silvating (type)     copper transit, finding       Banding     Fileeou. Foll       wire anangement     brown, back, blue       No. of bunding cycles (C track)     5 Mo. @ 25 °C       Cable weigh     44 grm       Material jacket     PUR       Strone hardness jacket     PUR       Fibre hardness jacket     PUR       Autorial wire insulation     1.25 mm       Outer diameter (frashit)     1.5 %       Material wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer dingle wires     0,1 mm	Cable Type	3
Type of Certificate     cLiFus       Arnount stranding     1       Stranding     3 vices lwsted       Cable Stelding (type)     copper braid, timed       Cable Stelding (cverage)     80 %       Barding     Proces, Foil       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     5 Mc. @ 25 °C       Cable weight     44 g/m       Material jack     PUP       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     5 m       Cable administic (jacket)     5 mm       Cable administic (jacket)     5 m       Amount straints in instantion     PP       Amount works     3       Outer diameter installation     1.25 mm       Outer diameter installation     70 ± 5 Shore D       Ingredient freesaw wire installation     70 ± 5 Shore D       Ingredient freesaw wire installation     70 ± 5 Shore D       Ingredient freesaw wire installation     70 ± 5 Shore D       Ingredient freesaw wire installation     70 ± 5 Shore D       Ingredient freesaw wire installation     70 ± 5 Shore D		
Amount stranding     1       Stranding     3 wires twisted       Cable shielding (type)     cooper braid, trinned       Cable shielding (coverage)     80 %       Banding     Pleeen, Foll       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     5 Mo. @ 25 °C       Cable weigh     4 g m       Material jacket     90 ± 5 Shore A       Freedom from ingradents (jacket)     1 ka 4-free, codmium-free, CFC-tree, halogen-free, slicone-free       Other -diameter (jacket)     5 mm       Tolerance outer diameter (shick)     5 5 °.       Material grade (shick)     1 -25 °m       Armount wires     3       Outer -diameter (sicket)     5 mm       Outer diameter insulation     1 -25 °m       Outer diameter insulation     1 -25 °m       Darter diameter insulation     1 -25 °m       Darter diameter insulation     1 -25 °m       Darter diameter insulation     1 -25 °m       Carter diameter (shering)     42       Darater of single wise     0.1 rm       Conductor yree     Stranded copper wire, bate       Carret		
Stranding   9 wires twisted     Cable shelding (type)   copport braid, tinned     Cable shelding (type)   00 %     Banding   Fibeco, Foll     wire arrangement   blow, blow, blow     No. of bending cycles (C-track)   5 Mio. @ 25 °C     Cable weight   44 g/m     Material jacket   PUB     Store Inderdess jacket   00 ± 5 S brore A     Freedom from regordents (jacket)   5 mm     Toterance outer diameter (heath)   ± 5 %     Material vice insulation   PP     Amount wires   3     Outer diameter (isoket)   12 5 mm     Outer diameter (wire)   4 5 %.     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   12 5 mm     Outer diameter	5	
Cable sheading (type)     coppor braid, linned       Cable sheading (coverage)     80 %       Bandring     Floeco, Foll       wire arrangement     brown, black, blue       No. of bending cycles (C-track)     5 Mic @ 25 °C       Cable weigh     44 g/m       Material jacket     PUR       Shore hardness jacket     90 : 5 Shore A       Freedom from ingradients (gacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (gacket)     5 mm       Telerance outer diameter (sheath)     5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 Shore D       Shore hardness wire insulation     1.25 Shore D       Shore hardness wire insulation     1.84 %       Canductor crossoction (wire)     42       Dameter display wires     0.1 mm       Canductor type (wire)     Strand class 6       Carvent dad capacity (standard)     to 3.4 mm²       Canductor type (wire)     Stra@ Class 6       Carvent dad capacity (standard)     to 1.0 W DC 288		
Cable shielding (coverage)     B0 %       Banding     Fleece, Foil       Wire arrangement     brown, black, blue       No. of bending cycles (C-track)     5 Mio, @ 25 °C       Cable weigh     44 g/m       Malerial jackel     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jackel)     5 mm       Tolerance outer diameter (isokel)     5 mm       Tolerance outer diameter (isokel)     1 5 %       Material wire insulation     PP       Anourt wires     3       Outer diameter insulation     70 ± 5 Shore D       Ingredient ferenes wire insulation     70 ± 5 Shore D       Ingredient ferenes wire insulation     70 ± 5 Shore D       Conductor crosssection (wire)     0.34 mm <sup>2</sup> Anourt strands (wire)     42       Diameter d'angle wires     0.1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare  <		
Banding     Fleece, Foll       wife arrangement     brown, black, blue       No. of bonding cycles (C track)     5 Mio. & 25 °C       Cable weight     44 g/m       Material jacket     PUR       Store hardness jacket     90 5 Shore A       Freedom from ingredients (acket)     lead-free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer diameter (acket)     5 mm       Tolerance outer dameter (sheath)     1 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter titerance core insulation     1.25 mm       Outer diameter wire insulation     1.25 mm       Conductor crossection (wire)     0.3 mm       Conductor crossection (wire)     0.4 mm       Conductor crossection (wire)     0.1 mm       Conductor trop (wire)     1 mm @2 S °C		
wire anangement     brown, black, blue       No. of berding cycles (C-track)     5 Mio. @ 25 °C       Cable weigh     44 g/m       Material jacket     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredents (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (solatation)     2 5 %       Amount wires     3       Outer diameter (solatation)     1.25 mm       Outer diameter (solatation)     1.26 mm       Outer diameter (solatation)     0.1 mm       Gandactor (solata capacit) (solatation)		
No. of bending cycles (C-track) 5 Mio. @ 25 °C   Cable weight 44 g/m   Material jacket PUR   Shore hardness jackal 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-tree. cadmium-free, CFC-free, halogen-free, silicone-free   Outer diameter (jacket) 5 mm   Tolerance outer (jacket) 5 mm   Tolerance outer (jacket) 5 %   Material wire insulation PP   Amount wires 3   Outer diameter (sheath) 1 25 mm   Outer diameter tolerance core insulation 1 25 mm   Conductor type insulation 1 24 Meter   Diameter of bing wises 0,1 mm   Conductor type (wire) 0,34 mm <sup>2</sup> Conductor type (wire) 8 and dease 6   Tarversing distance (C-track) 5 m @ 25 °C 1 horizontal   Current load capacity (standard) to N N DE 028-4   Current load capacity min. wire 6 A   E		
Cable weigh 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 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount wires 3   Outer diameter insulation 1.25 mm   Outer diameter insulation 1.25 mm   Outer diameter tolerance core insulation 1.25 mm   Outer diameter tolerance core insulation 1.25 mm   Outer diameter sisalation 70 ± 5 Shore D   Ingredient freemess wire insulation 10 ± 5 %   Anount strands (wire) 42   Diameter of single wires 0.1 mm   Conductor crossocial (wire) 0.34 mm <sup>2</sup> Material conductor wire S Tranded copper wire, bare   Conductor vire (C-track) 5 m @ 25 °C   horizontal   Current load capacity fish ander) to DIV VDE 0298-4   Current load capacity fish ander) 2 kV @ 60 s   Mina overlage power (wire - shield) 2 kV @ 60 s   Mina overlage power (wire - shield) 2 kV @ 60 s   Mina overlage power (wire - shield) 2 kV @ 60 s   Mina operating temperature faitastone 80 °C / 90 °C @ 1		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jackat)     5 mm       Tolerance outer diameter (jackat)     5 mm       Material wire insulation     PP       Amount wires     3       Outer diameter (jackat)     15 %       Material wire insulation     1.25 mm       Outer diameter (jackat)     5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (jackat)     6 %       Shore hardness wire insulation     1.25 %       Material freeness wire insulation     1.42 %       Diameter of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm <sup>2</sup> Diameter of single wires     0.1 mm       Conductor type (wire)     strand doape free, balogen-free, silicone-free       Current load capacity (strand		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Ucler-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Matorial wire insulation     PP       Amount wires     3       Outer diameter (logance core insulation     1.25 mm       Outer diameter (logance core insulation     1.5 %       Shore hardness wire insulation     1.65 %       Shore hardness wire insulation     1.64 % e. 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 vires     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min, wire     6 A       Electrical resistance (E-track)     5 m @ 25 °C Intrizontal       Ninnial voltage power (wire - shield)     2 NV @ 60 s		-
Freedom from lagredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer diameter (jacket)   5 mm     Material wire insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.5 %     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 rowssection (wire)   0.34 mm²     Material conductor wire   Strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   2 kV @ 60 s     AC withstand voltage power (wire - shield)   2 kV @ 60 s     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   40 °C     Max. operating temperatur		
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 insulation     7.0 ± 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     0.11 mm       Conductor crosssection (wire)     0.34 mm <sup>o</sup> Material conductor wire     Stranded copper wire, bare       Conductor rosssection (wire)     0.34 mm <sup>o</sup> Canductor type (wire)     Strandel copper wire, bare       Conductor type (wire)     Strandel copper wire, bare       Conductor type (wire)     Strandel copper wire, bare       Current Load capacity (standard)     to DIN VDE 0298-4       Current Load capacity (win- wire 6 A     Edicical resistance line constant wire 57 0 km @ 20 °C       Nominal voltage power (wire - shield)     2 kV @ 60 s       AC withstand voltage power (wire - wire)     2 kV @ 60 s       AC withstand voltage power (wire - wire)     2 kV @ 60 s       Min. operating temperature (kitac) <td></td> <td></td>		
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   184 / Fee, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0.34 mm <sup>9</sup> Material conductor wire   Stranded coper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Current load capacity min, wire   6 A     Electrical resistance line constant wire   57 Qkm @ 20 °C     Nominal voltage power AC max.   300 V     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     Material conducting temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation  <		
Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter folarance core insulation     1 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     163 %       Material wire insulation     164 /Fee, 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       Current load capacity (standard)     to DI N VDE 0298-4       Current load capacity (standard)     to DI N VDE 0298-4       Current load capacity (standard)     to DI N VDE 0298-4       Current load capacity (standard)     to DI N VDE 0298-4       Current load capacity (standard)     to DI N VDE 0298-4       Current load capacity min, wire     6 A       Electrical resistance line constant wire     57 Okm @ 20 °C       Nominal voltage power (wire - wire)     2 kV @ 60 s		
Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free     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 osseschion (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor toysessection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor toyse (wire)   strande class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Current load capacity min. wire   6 A     Electrical resistance line constant wire   57 Ωkm @ 20 °C     Nominal voltage power (wire - shield)   2 kV @ 60 s     Ac withstand voltage power (wire - shield)   2 kV @ 60 s     Max. operating temperature (istatic)   -40 °C     Max. operating temperature (istatic)   -25 °C     Operating temperature (istatic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (istatic)   80 °C / 90 °C @ 10		
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 wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       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 - shield)     2 kV @ 60 s       Nominal voltage power (wire - shield)     2 kV @ 60 s       AC withstand voltage power (wire - shield)     2 kV @ 60 s       Min. operating temperature (staci)     40 °C       Max. operating temperature (staci)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (staci)     80 °C / 90 °C @ 100000 h Operation	Material wire insulation	
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 rossesction (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       Current Load capacity (standard)     to DIN DE 0298.4       Current Load capacity (standard)     to DIN VDE 0298.4       Ac withstand voltage power (wire - shield)     2 kV @ 60 s       Ac withstand voltage power (wire - shield)     2 kV @ 60 s       Max. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -40 °C	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 crossection (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       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 029 °C <td>Outer diameter insulation</td> <td>1,25 mm</td>	Outer diameter insulation	1,25 mm
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       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Current load capacity min. wire     6 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       AC withstand voltage power (wire - shield)     2 kV @ 60 s       Power frequency withstand voltage power (wire - shield)     2 kV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     Good, application-related testing       Gaoidine resistance     Good, application-related testing       Golie resistance     Good, application-related testing       Goli resistance     Dix Outer diameter       Bending radius (fixed)     <	Outer diameter tolerance core insulation	±5%
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) stranded copper wire, bare   Conductor type (wire) stranded copser wire, bare   Conductor type (wire) stranded copser wire, bare   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 Ω/km @ 20 °C   Nominal voltage power AC max. 300 V   AC withstand voltage power (wire - shield) 2 kV @ 60 s   Z wire requency withstand voltage power (wire - wire) 2 kV @ 60 s   Main: operating temperature (static) -40 °C   Max. operating temperature (static) -40 °C   Max. operating temperature (static) -25 °C   Operating temperature (static) 80 °C / 90 °C @ 10000 h Operation   Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation   Flame resistance Good, application-related testing   Gaoiine resistance Good, application-related testing   Goi ire esistance Good, application-related testing   Goi ire esistance DIN EN 60811-404   Good, ap	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires   0,1 mm     Conductor cossection (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     Current load capacity (standard)   to DIN VDE 0296-4     Current load capacity (standard)   to DIN VDE 0296-4     Current load capacity (standard)   to DIN VDE 0296-4     Current load capacity min. wire   6 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Power frequency isstance   EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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     Current load capacity (strandard)   to DIN VDE 0298-4     Current load capacity (strandard)   to DIN VDE 0298-4     Current load capacity (strandard)   57 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - shield)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -40 °C     Gonductor (static)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalCurrent load capacity (standard)to DIN VDE 0298.4Current load capacity min. wire6 AElectrical resistance line constant wire57 C/km @ 20 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalCurrent 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 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - shield)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (static)-25 °COperating temperature max. (dynamic)25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (gynamic)10 × Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)5 m @ 25 °C   horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire57 Ω/km @ 20 °CNomial voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGil resistanceDIN EN 60811-404   Good, application-related testingGil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	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 °CNominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2 I UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Conductor type (wire)	strand class 6
Current load capacity min. wire   6 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - jacket)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (tixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.<	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Electrical resistance line constant wire   57 Ω/km @ 20 °C     Nominal voltage power AC max.   300 V     AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   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     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VAC withstand voltage power (wire - shield)2 kV @ 60 sPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Current load capacity min. wire	6 A
AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage power (wire - shield)   2 kV @ 60 s     Power frequency withstand voltage power   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   2 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Nominal voltage power AC max.	300 V
Power frequency withstand voltage power (wire - jacket)   2 kV @ 60 s     AC withstand voltage power (wire - wire)   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     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min		2 kV @ 60 s
AC withstand voltage power (wire - wire)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 OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min	Power frequency withstand voltage power	
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Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceS x Outer diameterBending radius (fixed)5 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min		
Flame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
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Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min		
Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   No. of torsion cycles 2 Mio.   Torsion speed 35 cycles/min		
Bending radius (dynamic) 10 x Outer diameter   No. of torsion cycles 2 Mio.   Torsion speed 35 cycles/min		
No. of torsion cycles 2 Mio.   Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 30 °/m

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-20

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