

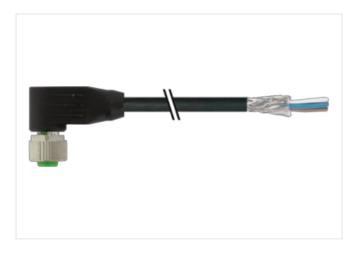
## M12 female 90° A-cod. with cable shielded

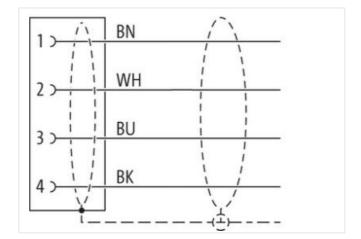
PUR 4x0.34 shielded bk UL/CSA+drag ch. 7.5m

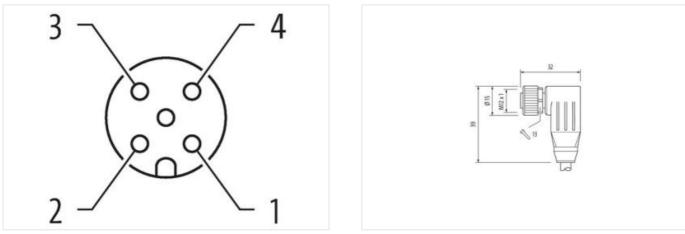
Female 90° M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

## Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-11

7,5 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879803274
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	
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)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	

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Cable Type     3       Locked Colo     black       Type of Certificate     cUPus       Arnout stranding     1       Stranding     4 wise twisted       Cable shading (type)     coper braid, Inned       Cable shading (type)     5n Ø hS       Brading     Fleece. Foll       wire arrangement     brown, black, blau, white       Tarwaing distance (C+rack)     5 m Ø hS SC Tonicontal       Cable shading (type)     50.6 g/m       Material jacket     PUR       Shore hardness jacket     90.4 S Shore A       Freedom form ingediterts (jacket)     5.3 m       Outer diamoter transmitter     5 %       Material wire ingelistic     5 %       Shore hardness wire insulation     7 0 ± 5 Shore D       Functor transmitter     6 % %       Shore hardness wire insulation     7 0 ± 5 Shore D       Functor transmitter     1 Started Coper wire, calcular more, calcular more, calcular more, calcular more, calcular more, calcular mor	Cable identification	641
Type of Certification     cURue       Amount stranding     1       Stranding     4 vives twisted       Cable straiding (type)     copper braid, tinned       Cable straiding (type)     Experiment       Traversing distance (C-rack)     5 m @ 25 °C [ horizcental       Cable vibrioting (type)     50 § grm       Material jackat     PUR       Shore hardness jacket     90 § 5 Shore A       Freedom from ingredients (acket)     6.8 divest (type)       Cold administry (type)     5.3 mm       Telerance cuter diameter (featelt)     5.5 from       Cold-administry (type)     5.5 mm       Cable weight     5.5 from       Telerance cuter diameter (taket)     6.5 mm       Cold-administry (type)     5.5 mm       Cold-administry (type)     4.5 from       Cold-administry (type)     4.5 from       Colder diameter (taketa)     1.6 from       Colder diamoter (taketa) <td>Cable Type</td> <td>3</td>	Cable Type	3
Anourt stranding     1       Stranding     4 wire kvistel       Cable shielding (type)     copper braid, tinned       Cable shielding (coverage)     80 %       Banding     Fleece, Foll       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C [ horizontal       Cable weigh     50,5 g/m       Material jacket     PUR       Strown burdsones jackel     90 ± 5 Strow A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, slicone-free       Older diameter (jacket)     5.3 mm       Tolerance outer diameter (sharth)     ± 5 %       Material wei insulation     1.25 mm       Outer diameter insulation     1.25 mc       Canditation freeneouse wire insulation     1.25 %       Material weis insulation     1.04 %       Dameter of single weis     0.1 mm       Conductor type (wire)     3.4 mm	Jacket Color	black
Stranding     4 wires twisted       Cable shelding (type)     cooper braid, timed       Cable shelding (type)     cooper braid, timed       Cable shelding (type)     5 m @ 25 °C [Inotizontia]       Travening diatance (L-track)     5 m @ 25 °C [Inotizontia]       Cable weight     50.6 g/m       Material jacket     PUR       Shore hordness jacket     90 5 Shore A       Freedom from ingrediantis (jackal)     5 am       Older diameter (isolation)     1.5 Shore A       Tolerance outer diameter (isolation)     1.5 Shore A       Tolerance outer diameter (isolation)     1.5 Shore A       Amount wires     4       Outer diameter (isolation)     1.25 rm       Outer diameter invaluation     1.25 rm	Type of Certificate	cURus
Cabb shielding (cypo)     copper braid, linned       Cabb shielding (coverago)     80 %.       Banding     Fleeco, Foll       wita arrangement.     brown, black, bluw, white       Tavarsing dilatore (C track)     5 m 0 62 °C (I horizontal       Cabb weight     50.6 g/m       Material jacket     PUR       Shore hardmass jacket     90.1 5 Shore A       Freedom from ingredients (jacket)     16ad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (sheath)     + 5 %       Material wei insulation     PP       Amount wise     4       Outer diameter (sheath)     + 5 %       Shore hardmass wei insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Toward writer weit shouldon     9.4       Damout sirand (write)     42       Damout sirand (write)     42       Damout sirand (write)     6.34 mm²       Conductor vises weit insulation     1.05 Mm       Mount sirand (write)     6.04 mm²       Conductor vises weit insulation     1.01 Mm       Cond	Amount stranding	1
Cable shidding (coverage)     80 %       Banding     Fileoco, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedon from ingrodents (jacket)     5,3 mm       Toterance nuter dameter (lacket)     5,3 mm       Toterance nuter dameter (lacket)     5,3 mm       Outer diameter (lacket)     5,3 mm       Outer diameter (lacket)     5,3 mm       Outer diameter insulation     126 mm       Outer diameter insulation     142 mm       Diameter of single wires     0,1 mm       Conductor type (wire)	Stranding	4 wires twisted
Cable shidding (coverage)     80 %       Banding     Fileoco, Foil       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedon from ingrodents (jacket)     5,3 mm       Toterance nuter dameter (lacket)     5,3 mm       Toterance nuter dameter (lacket)     5,3 mm       Outer diameter (lacket)     5,3 mm       Outer diameter (lacket)     5,3 mm       Outer diameter insulation     126 mm       Outer diameter insulation     142 mm       Diameter of single wires     0,1 mm       Conductor type (wire)	Cable shielding (type)	copper braid, tinned
Banding     Fleece, Fell       wire arrangement     brown, black, blue, white       Traversing distance (C-Vrack)     5 m @ 25 °C) (horizontal       Gabie weigh     50.6 g/m       Material jackot     PUR       Shore hardness jacket     90.4 5 Shore A       Freedom from ingredients (gacket)     lead-free, cadmum-free, CPC-free, halogen-free, silicone-free       Outer-diameter (gacket)     5.3 m       Tolerance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Cuter diameter insulation     7.0 ± 5 Shore D       Togredient freeness wire insulation     7.0 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Cardwid area (wire)     0.34 mm <sup>2</sup> Material wires     0.1 mm       Canductor row (wire)     0.34 mm <sup>2</sup> Material voltage (wire)     0.34 mm <sup>2</sup> Carrent load capacity min. wire     5.7 0.Km @ 20 ° C       Carrent load capacity min. wire     5.7 0.Km @ 20 ° C       Carrent load capacity min. wire     5.7 0.Km @ 20 ° C       Advietha	Cable shielding (coverage)	80 %
Taversing distance (C-track)     5 m @ 25 °C   horizontal       Cable weight     50,6 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (igoket)     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (igoket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     1.25 %       Conductor rows wire insulation     1.64 %       Conductor rows weight wires     0.1 mm       Conductor row (wire)     3.4 mm²       Conductor row (wire)     3.4 mm²       Current load capacity (standard)     10 DIN VDE (229 4-4       Curent load capacity (standard)     10 D		Fleece, Foil
Taveraing distance (C-track)   5 m @ 25 °C   horizontal     Cable weight   50.6 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   1ead tree, cadmium free, CFC-tree, halogen-free, silicone-free     Outor-diametic (jacket)   ± 5 %     Material vice insulation   PP     Amount vices   4     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 %     Shore hardness wire insulation   1.25 %     Control dravets insulation   1.25 %     Diameter of single wires   0.1 mm     Conductor rows assection (vire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor rype (vire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (strandrav)   to DIN NDE D298-4     Current load capacity (strandrav)   to DIN NDE D298-4     Current load c	wire arrangement	brown, black, blue, white
Cable weigth     50.6 g/m       Material jacket     PUR       Shore hardness jackal     90.4 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacked)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (localed)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (localed)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (localed)     ± 5 %       Shore hardness wire insulation     1.25 mm       Cuter diameter (wire)     42       Diameter of single wires     0.1 mm       Conductor wires     Stranded copper wire, bare       Conductor wire     Stranded dosper wire, bare       Conductor wire     Stranded copper		5 m @ 25 °C   horizontal
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, bliogen-free, silicone-free       Outer-diameter (jacket)     5,3 mm       Tolerance outer diameter (jacket)     5,3 mm       Material wire insulation     PP       Amount wires     4       Outer diameter (insulation     1,25 mm       Outer diameter insulation     lead free, cadmium free, CFC-free, halogen-free, silicone-free       Amount stands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm²       Material conductor wire     Strand class 6       Nominal voltage AC max.     300 V       Current load capacity (strandard)     to DIN VID 60298-4       Current load capacity (strandard)     to DIN VID 60298-4       Current load capacity (strandard)     to DIN VID 60298-4       Curatholad capacity (strandard)     to DIN VID 60298-4 </td <td></td> <td></td>		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     tead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter fusulation     1.25 mm       Outer diameter core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 %       Shore hardness wire insulation     1.25 %       Dater diameter tolerance core insulation     1.26 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 ressection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor lype (wire)     strande class 6       Nominal voitage AC max.     300 V       Current load capacity (sinadard)     to DIN VDE C928.4       Current load capacity (min. wire     4,8 A       Electrical resistance line constant wire     57 Ω Km @ 20 °C		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   5,3 mm     Tolerance outer diameter (sheath)   2 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter tolerance core insulation   1.25 mm     Outer diameter tolerance core insulation   1.5 %     Shore hardness wire insulation   1.25 mm     Outer diameter tolerance core insulation   1.5 %     Shore hardness wire insulation   lead-free, cadmium-free, OFC-free, halogen-free, silicone-free     Amount strandk (wire)   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,24 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class B     Nominal voltage AC max.   300 V     Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Dkm @ 20 °C     AC withstand voltage (wire - wire)   2.kV @ 60 s     Power frequency withstand voltage (wire - wire)   2.kV @ 60 s     Power frequency withstand voltage (wire - sheld)   2.kV @ 60 s     AC withstand voltage (wi		
Outer-diameter (jacket)     5,3 mm       Tolerance suter diameter (sheath)     1.5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (sheath)     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.6 %       Shore hardness wire insulation     1e.4 % %       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm²       Conductor vire     Stranded copper wire, bare       Conductor vire (wire)     Stranded copper wire, bare       Conductor vire (wire)     Stranded copper wire, bare       Conductor vire (wire	·	
Tolerance outer diameter (sheath) $\pm$ 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter lolerance core insulation $\pm$ 5 %     Shore hardness wire insulation $\pm$ 5 %     Shore hardness wire insulation $\pm$ 5 %     Imagedient 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     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Curent load capacity (standard)   to VIN V © 60 s		
Material wire insulation     PP       Amount Wries     4       Outer diameter insulation     1.25 mm       Outer diameter of loarnace core insulation     1 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1 ± 3 %       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>3</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (sindard)     to DIN VDE 0298-4       Current load capacity (sindard)     to DIN VDE 0290 °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       Max. operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C       Max operating temperature (static)     -25 °C       Operating temperature (static)		
Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-tree, 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 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 - siled)   2 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2 kV @ 60 s     Ac withstand voltage (wire - siled)   20 °C (20000 h Operation     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     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C		
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 rossesction (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       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature (static)     -20 °C @ 10000 h Operation       UV resistance     IEC 60322-22 /U 1581 § 1090   UL 1581 § 1100 FT2       Flame resistanc		
Outer diameter tolerance core insulation     ± 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 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)     2 NV @ 60 s       Power frequency withstand voltage (wire -     2 NV @ 60 s       AC withstand voltage (wire - shield)     2 NV @ 60 s       Min. operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C       Qu ve sistance <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 rossesction (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     4,8 A       Electrical resistance line constant wire     57 ΩKm @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     2 kV @ 60 s       Min. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -40 °C       Querating temperature min. (dynamic)     -25 °C       Operating temperature (statc)     -40 °C       Hame resistance     IEC 60332-22 I UL 1581 § 1000 I UL 1581 § 1100 FT2       Chemical resistance     Good, application-related testing       Gasoline resistance     DIN EN ISO 4392-2 A       Flame resistance		·
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 rosssection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Strande 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 VW @ 60 s       AC withstand voltage (wire - wire)     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       Operating temp		
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 (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 D/km @ 20 °CAC withstand voltage (wire - jacket)2 kV @ 60 sPower frequency withstand voltage (wire - jacket)2 kV @ 60 sAC withstand voltage (wire - jacket)2 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60322-2 I UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingGasoline resistance<		
Anderson BacketerDiameter of Single wires0,1 mmConductor vireStranded copper wire, bareConductor vireStranded copper wire, bareCurrent 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 - lacket)2 kV @ 60 sAC withstand voltage (wire - stacket)2 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (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 resistanceIEC 60332-2.2   UL 1581 § 109   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGal resistanceGood, application-related testingGoll		-
Conductor orsssection (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     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       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     Election32-2-2 I UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, app	. ,	
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     4.8 A       Electrical resistance line constant wire     57 Q/km @ 20 °C       AC withstand voltage (wire - wire)     2 kV @ 60 s       Power frequency withstand voltage (wire - shield)     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 max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     E6 Go32-2-2 J UL 1581 § 1090 J UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 06811-404   Good, application-related testing       Oil resistance     DIN EN 60		·
Conductor type (wire)strand class 6Nominal 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 sMin. 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   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60611-404   Good, application-related testingOil resistanceDIN EN 60611-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)5 Min. @ 25 °CNo. of torsion cycles2 Mio.	. ,	·
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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 × Outer diameter     Travel speed (C-track)   5 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 30 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)5 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 30 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     2 Mio.       Torsion stress     ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-11

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