

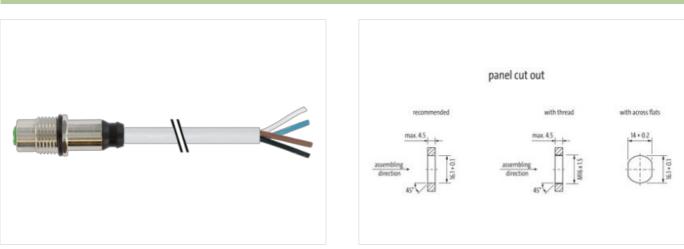
## M12 female recept. A-kod. with cable rear

PUR 4x0.34 gr UL/CSA 5.0m

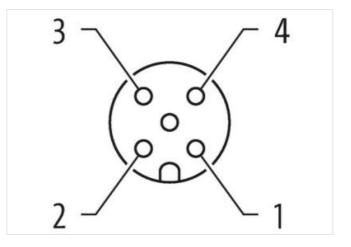
Flange female M12, 4-pole Rear mounting Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

## Illustration







Product may differ from Image

Cable length	5 m	
Side 1		
Tightening torque	0,6 Nm	
Mounting method	inserted, screwed	
Coating contact	gold plated	
Family construction form	M12	
Thread	M12 x 1	
Coding	A	
Material contact	Copper alloy	

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

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Material	Brass	
No. of poles	4	
Degree of protection (EN IEC 60529)	IP67	
Side 2		
Stripping length (jacket)	20 mm	
Commercial data		
ECLASS-6.0	27279220	
ECLASS-6.1	27279220	
ECLASS-7.0	27440103	
ECLASS-8.0	27440103	
ECLASS-9.0	27440103	
ECLASS-10.1	27440103	
ECLASS-11.1	27440103	
ECLASS-12.0	27440103	
ETIM-5.0	EC002061	
customs tariff number	85444290	
GTIN	4065909066577	
Packaging unit	1	
Electrical data   Supply		
Dperating voltage AC max.	250 V	
Operating voltage DC max.	250 V	
Current operating per contact max.	4 A	
Diagnostics		
Status indication LED	no	
Installation   Connection		
Stripping length (jacket)	20 mm	
Mounting set	M16 x 1.5	
Width across flats	SW19	
Device protection   Electrical		
Protection NEMA	3, 4, 6P	
Additional condition protection degree	inserted, screwed	
Pollution Degree	3	
Rated surge voltage	2,5 kV	
Material group (IEC 60664-1)	I	
Mechanical data   Material data		
Coating of fitting	nickel plated	
Material gasket	FKM	
Vaterial screw connection	Brass	
Mechanical data   Mounting data		
	Cabrauhaanuinda	
Mounting method	Schraubgewinde	
Looking techniques	Schraubgewinde	
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.	

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Installation (Cable     234       Cable Type     3       Jacket Clobr     gray       Type of Certificatia     UPLus       Annout stranding     1       Stranding     4 wircs twisted       wire arrangement     brown, black, blue, white       Cable Wight     36.3 gm       Material jacket     PUR       Shore hardness jacket     50.1 f. Shore A       Freedom from ingraderia (jacket)     60.1 f. Shore A       Cable wight     35.3 gm       Material jacket     PUR       Shore hardness jacket     50.1 f. Shore A       Tolerance outer diameter (sealth)     1.5 %       Material water installation     PP       Antonut wires     4       Outer diameter installation     1.25 mm       Outer diameter installation     1.25 mm       Outer diameter installation     1.25 mm       Caula dianger installation     1.25 mm       Caular diameter installation	UL 50E	yes
Cable Type     9       Jacket Color     gray       Type of Certificate     URus       Annount stranding     1       Stranding     4 wises hvisted       wite arrangement     brown, black, blue, white       Cable weight     98.3 g/m       Material jacket     PUR       Strom throffness jucket     90.5 S brors A       Freedom from ingrodients (jacket)     48.0 free, cambium free, CFC free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     5.5 from       Antoinut wins     4       Outer diameter insulation     PP       Antoinut wins     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.95 from Po       Anount strands (wire)     42       Diameter or single wires     0.1 mm       Conductor torge service insulation     1.92 from Po       Contuctor torge (wires)     Stranded copper wire, bare       Contuctor torge (wires)     Stranded copper wire, bare       Contructor torge (wires)	Installation   Cable	
Jackat Color     gray       Type of Certificate     cuRus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Matorial jacked     PUR       Strone hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (shall)     4.5 %       Material wire insulation     PP       Arnoutt wires     4       Outer diameter insulation     1.25 mm       Duter diameter insulation     1.25 mm       Conductor ryps wire insulation     1.25 mm       Conductor ryps wire insulation     1.25 mm       Conductor ryps (wire)     0.34 mm <sup>2</sup> Material conductor wire     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor ryps (w	Cable identification	234
Type of Certificate     cu/Flus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     36,3 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)     4.5 mm       Tolerance outer diameter (sheath)     5 5%       Amount wires     4       Anount wires     4       Outer diameter insulation     1.25 mm       Outer diameter trisulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Canductor crosssection (wire)     0.1 mm       Canductor crosssection (wire)<	Cable Type	3
Amount stranding   1     Stranding   4 wires Wisted     Wire arrangement   brown, black, blue, white     Cable weight   93.3 g/m     Material jacket   PUR     Shore hardness jacket   90.5 Shore A     Freedom from ingredents (jacket)   lead free, cadmium-free, CFC free, halogen-free, silicone-free     Outer-diameter (jacket)   2.5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 free     Toiner hardness wire insulation   1.25 free     Toiner hardness wire insulation   1.25 free     Toiner hardness wire insulation   1.25 free     Tarware ingress wire insulation   1.25 free     Tarware ingress wire insulation   1.25 free     Naterial wire of single wires   0.1 mm     Canductor rowseection wire   0.34 mm <sup>2</sup> Material conductor wire   Stradd copper wire, bare     Canductor type (wire)   stradd copper wire, bare     Canductor type (wire)   stradd copper wire, bare     Canductor type (wire)   strom framewire     Canductor type (wir	Jacket Color	gray
Stranding 4 wires twisted   wire arrangement brown, black, blue, white   Cable weigh 36,3 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-three, cablium-free, FC-free, halogen-free   Outer-diameter (jacket) 4.5 mm   Tolerance outer diameter (sheath) ± 5 %   Amount wires 4   Outer diameter insulation PP   Amount wires 4   Outer diameter insulation 70 ± 5 Shore D   Ingredient ficenses wire insulation 70 ± 5 Shore D   Ingredient ficenses wire insulation 70 ± 5 Shore D   Ingredient ficenses wire insulation 70 ± 5 Shore D   Ingredient ficenses wire insulation 70 ± 5 Shore D   Conductor or sessection (wire) 0.34 mm <sup>2</sup> Conductor type (wire) 51 mm   Conductor type (wire) 51 mm   Conductor type (wire) 51 stranded copper wire, bare   Conductor type (wire) 0.34 mm <sup>2</sup> Constance (C-track) 10 m @ 25 °C [ horizontal   Nominal voltage AO max. 300 V   Current load capacity risk wire 52 KW @ 60 s   Power frequency wittsma voltage (wire - wire) 2.5 KV @ 60 s   Power frequency wittsma voltage (wir	Type of Certificate	cURus
wire arrangement     brown, black, blue, white       Cable weight     36,3 g/m       Material jacket     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jacket     PP       Amount wires     4       Outer diameter (sheath)     1.25 mm       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     1.25 mm       Conductor trains weine insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strainds (wire)     0.34 mm <sup>2</sup> Conductor trains weine insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strainds (wire)     0.34 mm <sup>2</sup> Conductor trains weine solution     test free, cadmium-free, CFC-free, halogen-free, silicone-free       Trave	Amount stranding	1
Cable weigth     36,3 g/m       Material jacket     PUR       Shore hardness jaket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacked)     4.5 mm       Tolerance outer diameter (health)     ± 5 %       Material wire insulation     PP       Amount Wrees     4       Outer diameter insulation     1.25 mm       Cancer diameter rolearance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Imardent Teneess wire insulation     1.25 mm       Conductor views     0.1 mm       Conductor view     Stranded copper wire, bare       Conductor view	Stranding	4 wires twisted
Material jacket     PUR       Shore hardness jacket     90.5 Shore A       Freedom Trom ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     1.5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (insulation     1.25 mm       Outer diameter (insulation)     70.2 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Outer diameter (insulation)     70.2 5 Shore D       Ingredient freeness wire insulation     1.26 mm       Conductor cossection (wire)     42       Diameter of single wires     0,1 mm       Conductor rype (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C) (horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     4.0 °C       Max. operating temperature (stalic)     -40 °C       Max. operating temperature (stalic)     -40 °C	wire arrangement	brown, black, blue, white
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Arnount wires     4       Outer diameter insulation     1.25 mm       Constructions wire insulation     1.25 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Current	Cable weigth	36,3 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer diameter (jacket)   4.5 mm     Material wire insulation   PP     Amount wires   4     Outer diameter (insulation   PP     Amount wires   4     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   70.4 Shore D     Anount 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)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2.5 kV @ 60 s     Min. operating temperature (statc)   -40 °C     Max. operating temperature (wire)   80 °C / 90 °C @ 10000 h Operation     Operati	Material jacket	PUR
Outer diameter (jackat)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (or lameter core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.5 Shore D       Ingredient freeness wire insulation     1.6 Shore hardness wire insulation       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Onductor type (wire)     stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 028-4       Current load capacity (min. wire     4.8 A <td>Shore hardness jacket</td> <td>90 ± 5 Shore A</td>	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   ± 5 %     Shore hardness wire insulation   10 ± 5 Shore D     Ingredent (reneess 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 mm <sup>2</sup> Material conductor wire   Stranded coper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C (horizontal     Nominal voltage AG max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0296 °C     AC withstand voltage (wire ~vire)   2,5 kV @ 60 s	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter folderance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     12 5 %       Shore hardness 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 type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current toad capacity (strandard)     to DIN VDE 0298-4       Current toad capacity (min. wire     4,8 A       Electrical resistance line constant wire     57 Dkm @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max operating temperature (static)     -40 °C       Max operating temperature (static)     -25 °C       Operating tempe	Outer-diameter (jacket)	4,5 mm
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   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor cossesciento (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire *   2.5 K V @ 60 s     Power frequency withstand voltage (wire *   2.5 k V @ 60 s     Min. operating temperature (istaic)   -40 °C     Max. opererating tempera	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 vire     Stranded copper wire, bare       Conductor vire     Strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (istandard)     to DIN VDE 0298-4       Current load capacity (ini, wire     4.8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2.5 KV @ 60 s       Power frequency withstand voltage (wire - acked)     40 °C       Max. operating temperature (fixed)     40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed) <td>Material wire insulation</td> <td>PP</td>	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       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)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current toad capacity (standard)     to DIN VDE 0298-4       Current toad capacity (standard)     to DIN VDE 0298-4       Current toad capacity min. wire     4.8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - aster aste aster aste aster aster aster aster aster aster aster aster ast	Amount wires	4
Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0.34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (min. wire   4.8 A     Electrical resistance   is 5 K V @ 60 s     Power frequency withstand voltage (wire -   2,5 k V @ 60 s <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 crossection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current Load capacity (standard)   to DIN VDE 0298-4     Current Load capacity (standard)   52 %C @ 00 %     Ac withstand voltage (wire - vire)   2.5 kV @ 60 %     Min. operating temperature (standard)   80 %C / 9	Outer diameter tolerance core insulation	±5%
Amount strands (wire)42Diameter of single wires0,1 mmConductor rosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sMin. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CImmeretiang temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CGasoline resistanceEC 6033-2-2 I UL 1581 § 1090 I UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGil resistanceGood, application-related testingGil resistanceGood, application-related testingOil resistanceGood, application-related testing I DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterBe	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       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (win- wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - 4.8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - 4.8 A     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil	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)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Conductor wire   4.8 A     Electrical resistance line constant wire   57 Q/km @ 20 °C     Ac withstand voltage (wire - wire)   2.5 kV @ 60 s     Jacket/   acket/   60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation	Amount strands (wire)	42
Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 Q/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   40 °C     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 min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2 I UL 1581 § 1090   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance<	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ifxed)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 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testi	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-22 I UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 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)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   IEC 60332-2-2 I UL 1581 § 1090   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Din	Conductor type (wire)	strand class 6
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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 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   EC 60332-2-2   UL 1581 § 1000   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Din x Outer diameter   Ending radius (dynamic)   10	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 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 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDiffigr adius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 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 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceSo Outer diameterTravel speed (C-track)10 Mio.	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 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 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi v Outer diameterTravel speed (C-track)No. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)2,5 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 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi N couter diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2,5 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 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDifferenceGood, application-related testingOil resistanceGood, application-related testingDifferenceS × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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 (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   Travel speed (C-track) 10 Mio. @ 25 °C   No. of torsion cycles 2 Mio.   Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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

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