

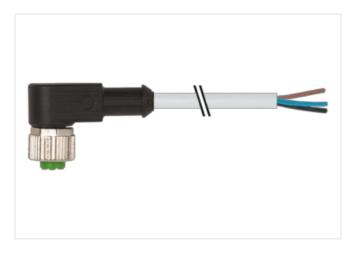
## M12 female 90° A-cod. with cable

PUR 3x0.34 gy UL/CSA+drag ch. 4m

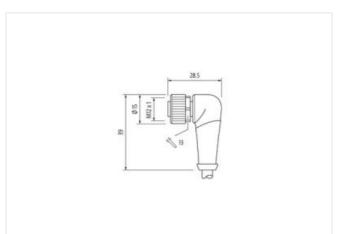
Female 90° M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

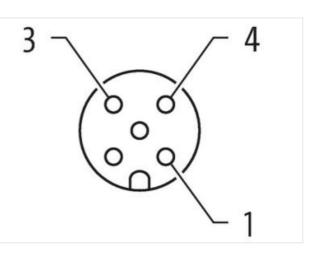
## Link to Product











Product may differ from Image



 
 Cable length
 4 m

 Side 1
 7

 Tightening torque
 0,6 Nm

 The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-21

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Mounting method Family construction form	inserted, screwed M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
No. of poles	3
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
	07001001
ECLASS-6.0	27061801
ECLASS-10.1 ECLASS-11.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311 27060311
customs tariff number	85444290
GTIN	4048879875158
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 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	2,5 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           Jacket Color         gray           Type of Certificate         cLFkus           Arrount stranding         1           Stranding         3 wines twisted           wine arrangement         brow, Nack, Nue           Cable weight         28,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredomis (jacket)         1 ead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         4.5 %           Material jacket         PP           Amount wires         3           Outer diameter insulation         1.25 rm           Outer diameter insulation         1.25 rm           Outer diameter insulation         7.0 ± 5 Shore D           Ingredemt treeness wire insulation         1.25 rm           Outer diameter insulation         1.25 rm           Outer diameter insulation         1.25 rm           Ingredemt treeness wire insulation         1.25 rm           Mount strand, Sire         9.2 Shore D           Ingredemt treeness wire insulation         1.25 rm           Under diameter insulation         1.25 rm           Carabid corps wires         0.1 mm	Cable identification	233
Jacket Color         gray           Type of Certificate         cURus           Amount standing         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weight         29,7 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)         4,1 mm           Tolerance cuter diameter (jacket)         4,3 mm           Outer diameter insulation         PP           Amount strands         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,26 mm           Outer diameter insulation         1,82 mm           Outer diameter insulation         1,92	Cable Type	3
Type of Certificate         cUFus           Amount stranding         1           Stranding         Swires twisted           wire arrangement         brown, black, blue           Cable weigh         29,7 g/m           Material jackel         PUR           Shore hardness jacket         90.5 S Shore A           Freedom trom ingredents (jacket)         lead free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.1 mm           Tolerance outer diameter (jacket)         4.5 %           Amount wires         3           Outer diameter (jacket)         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         70.1 5 Shore D           Ingredient freeness wire insulation         1.25 mm           Conductor crossection (wire)         0.34 mm?           Material isonductor wire         0.1 mm           Conductor crossection (wire)         0.34 mm?           Material isonductor wire         Straded copper wire, bare           Conductor crossection (wire)         0.24 kW @ 60 s           Momini voltage AC max.         300 V           Current load capacity firm. wire         6 A           Electrical resistance line constant wire         57 GAm @ 20 °		grav
Amount stranding       1         Stranding       3 wires twisted         wire arrangement       brown, black, blue         Cable weight       29.7 g/m         Matterial jocket       PUR         Stranding       0.5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmum-free, CFC-free, halogen-free, silicone-free         Uider-Gameter (jacket)       4.1 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       3         Outer diameter (sheath)       ± 5 %         Material wire insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter wire insulation       1.25 Shore D         Targeterin freenees wire insulation       1.25 Shore D         Targeterin freenees wire insulation       1.25 Mm         Conductor crossection (wire)       0.34 mm²         Marterial strandic wire       0.1 mm         Conductor type (wire)       Strand class 6         Taraversing distance (Crack)       10 m @ 25 °C [horizontal         Normal voltage AC max.       300 V         Current load capacity fistandwoltage (wire - 25 K/W @ 60 s         Minin operating temperature (wire)       2.5 K/W @ 60 s </td <td></td> <td></td>		
Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     29,7 g/m       Material jacket     PUR       Shore harrness jacket     90 ± 5 Shore A       Freadom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,1 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter blerance core insulation     1,25 mm       Outer diameter blerance core insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     90 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0 ± 0		
wire anangement         brown, black, blue           Cable weight         23,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 Shore D           Ingredient freeness wire insulation         lead-free, cadmum-free, CFC-free, halogen-free, silicone-free           Amount wires         0.47 fast Shore D           Ingredient freeness wire insulation         lead-free, cadmum-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         0.24 mm <sup>2</sup> Conductor prossection (wire)         0.34 mm <sup>2</sup> Conductor prove (wire)         Stranded copper wire, bare           Conductor prove (wire)         strand-d case 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load		3 wires twisted
Cable weigh         29,7 g/m           Material jacket         PUR           Shore hardness jacket         90 4 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.1 mm           Tolerance outer diameter (sheath)         ± 5 %.           Material wire insulation         PP           Amount wires         3           Outer diameter (insulation         1.25 mm           Outer diameter insulation         1.24 mm           Imgredient Thereas wire insulation         1.25 mm           Control stranses wire insulation         10.4 md and three, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor type (wire)         54 mm <sup>2</sup> Taversing distance ince constant wire         57 Ochroper wire, bare           Conductor type (wire)         tstranded capacity min. wire           A tavasting distander (badardi)         to III VDE 0298-4 </td <td></td> <td></td>		
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom Tion ingredients (jacket)         10 ± 5 Shore A           Freedom Tion ingredients (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter (sheath)         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter (lacket)         70 ± 5 Shore D           Ingredient freenesses wire insulation         70 ± 5 Shore D           Ingredient freenesses wire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 %           Diameter of single wires         0,1 mm           Conductor type (wire)         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 (wire - wire)         2,5 KV @ 60 s           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		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.1 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 insulation         1.25 %           Shore hardness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter solution         1.45 %           Shore hardness wire insulation         1.25 mm           Outer diameter solution         1.45 %           Shore hardness wire insulation         1.25 mm           Outer diameter (single wires         0.1 mm           Conductor wires         Stranded copper wire, bare           Conductor troxessection (wire)         0.34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor troxessection (wire)         0.34 mm <sup>2</sup> Naminal voitage AC max.         300 V           Current load capacity (standard)         to DIN VDE C396-4 <td< td=""><td></td><td></td></td<>		
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.1 mm       Tolerance outer (jacket)     ± 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     16 %       Conductor crossection (wire)     42       Diameter of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal vordiage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0297 C       AC withstand voltage (wire wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire)     25 kV @ 60 s       Power frequency withstand voltage (wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire)     2.5 kV @ 60 s       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 1		
Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         1:5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1:25 mm           Outer diameter tolerance core insulation         1:25 mm           Outer diameter tolerance core insulation         1:25 mm           Outer diameter tolerance core insulation         1:25 mm           Diameter of single wires         0.1 mm           Conductor consessection (wire)         0:34 mm²           Amount Vires         Stranded copper wire, bare           Conductor vorsesection (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 - 2.5 kV @ 60 s           Power frequency withstand voltage (wire - 2.5 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C	,	
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires3Outer diameter insulation1.25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 %Diameter of single wires0.1 mmConductor crossection (wire)0.34 mm²Material conductor wireStranded coper wire, bareConductor type (wire)stranded coper wire, bareConter (a cop		-
Material wire insulation         PP           Anount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance 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 ead-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)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (strander)         to DIN VDE 0298-4           Current load capacity (strander)         to DIN VDE 0298-4           Current load capacity (wire)         2,5 kV @ 60 s           Ac withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -25 °C           Ope		
Amount wires       3         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor rosseschion (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 toysessection (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)       to DIN VDE 0298-4         Current load capacity withstand voltage (wire - lackel)       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -25 °C         Operating temperature (s	. ,	
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 voissection (wire)         0.34 mm²           Conductor vire         Stranded copper wire, bare           Conductor vype (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current Load capacity mix/me         6 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 - iacket)         40 °C           Max. operating temperature (static)         -40 °C           Mas. operating temperature (static)         -40 °C           Operating temperature (mixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           Operating temperature (static)         5 × Outer diameter           Flame resis		
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNorminal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)5 ΩLkm @ 20 °CAC withstand voltage (wire - jacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (kixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (kixed)80 °C / 90 °C @ 10000 h OperationGord application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGit resistanceGood, application-related testingGasoline resistanceGood, application-related testingGit resistance		
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 (stindard)       to DIN VDE 0298-4         Guerrent load capacity (stindard)       to DIN VDE 0298-4         Min. operating temperature (stind)       -2,5 kV		
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (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 (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - if 2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °CMax. operating temperature (static)-40 °CImmeret envire (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CGood. application-related testingOperating temperature (static)-40 °CImmeret envire (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CGasoline resistanceGood. application-related testingOperating temperature (static)-25 °COperating temperature (static)-00 °C @ 10000 h OperationFlame resistanceGood. a		
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 load capacity (standard)       to DIN VDE 0298-4         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         Power frequency withstand voltage (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Gapacity temperature (static)       -40 °C         Gasoline resistance       UL 1581 § 1000 h Operation         Operating temperature (static)       -25 °C         Operating temperature (static)       -60 °C @ 10000 h Operation         Gasoline resistance       Good, appl		
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 (wine - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       2,5 kV @ 60 s         Min. 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         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Goo		
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 (standard)       2,5 kV @ 60 s         Fleetrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - gacket)       40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (ixed)       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       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Goid resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance	· · ·	
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 min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - vire)         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 max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   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 resistance         Good, application-related testing           Oil resistance         Good,		
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 (min. wire)6 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 max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDid rule (fixed)5 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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. wire6 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090   IEC 6032-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application		
Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 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 max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil ox		
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 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       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m		
Current load capacity min. wire       6 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       UL 1581 § 1090   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         Din & Outer diameter       Travel speed (C-track)		
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 (ixed)       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       UL 1581 § 1090   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 resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Dil 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		
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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 resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		-
jacket)2,5 NV @ 50 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 resistanceUL 1581 § 1090   IEC 60332-2-2   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		2,5 kV @ 60 s
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Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1090   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 resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Dil resistance       Image: mage: m	Min. operating temperature (static)	-40 °C
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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	UL 1581 § 1090   IEC 60332-2-2   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: 2024-05-21

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