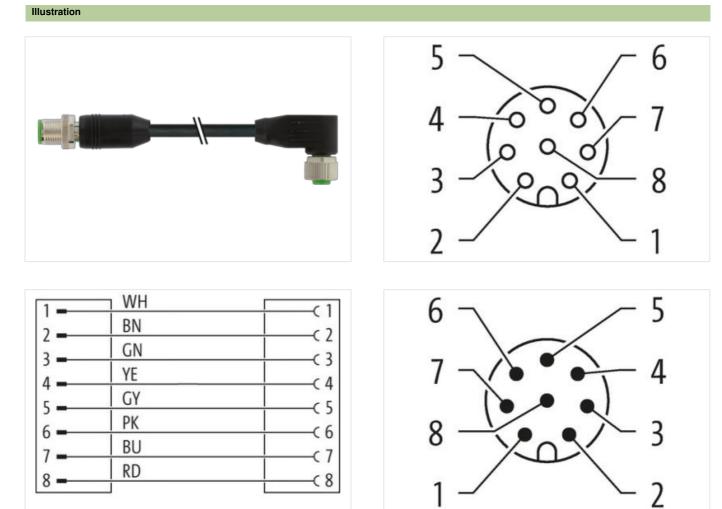


## M12 male 0° / M12 female 90° A-cod.

PUR 8x0.25 bk UL/CSA+drag ch. 10m

Male straight – female 90° M12 – M12, 8-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

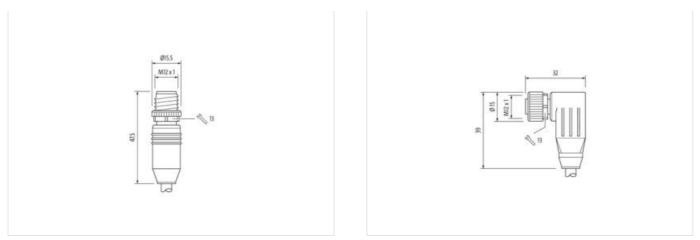
## Link to Product



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: 2024-05-18

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Product may differ from Image



Cable length	10 m
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879703345
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Device protection   Electrical	
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
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.
Installation   Cable	
Cable identification	722
Cable Type	3

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Type of Certificate       UPUsis         Amount stranding       1         Stranding       8 wires around Core filter twisted         Filter       yes         wires arounder muthy       58.3 g/m         Material josket       PUF         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (acket)       184 / res., cadmium free, CPC-free, halogen-free, allicone-free         Outer-diameter (incket)       5 %         Material josket       9         Outer diameter (incket)       5 %         Material wire insulation       PP         Amount wires       8         Outer diameter insulation       1.2 mm         Outer diameter insulation       1.2 mm <t< th=""><th>Jacket Color</th><th>black</th></t<>	Jacket Color	black
Stranding   8 wires around Core Iller twisted     Filer   yes     wire arrangement   brown, white, red, blue, pink, gray, yelow, green     Gable weight   93.3 g/m     Material jacket   PUR     Shore hardness jacket   90.4 5 Shore A     Freedom from ingrodients (jacket)   lead-free, cadmium-free, CPC-free, halogen-free, silicone-free     Outer-diameter (jacket)   5.8 m     Tolerance outer diameter (sheath)   ± 5 %.     Matterial twie insulation   1.2 mm     Outer diameter (insulation   70.4 5 Shore D     Tolerance outer insulation   1.2 mm     Outer diameter toirance core insulation   70.4 5 Shore D     Togetameter (insulation   1.2 mm     Outer diameter insulation   1.4 free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount wires   8     Outer diameter insulation   1.0 m, 25 Shore D     Ingredient freeness wire insulation   10.4 free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0.1 mm     Conductor rossection (wire)   0.25 mm <sup>2</sup> Material conductor wire   Strand class 6     Traversing distance (C+rack)   10 m @ 25 °C free, halogen-free, silicone-free     Conductor type (wire)   2.5 kV @ 60 s <t< td=""><td>Type of Certificate</td><td>cURus</td></t<>	Type of Certificate	cURus
File       yes         wire arrangement       brown, white, red, blue, pink, gray, yellow, green         Cable weight       58.3 g/m         Material jacket       90 ± 5 Shore A         Freedom from ingroteents (jacket)       lead-free, cadmium-free, CPC-free, halogen-free, silicone-free         Outer-diameter (jacket)       5.8 mm         Tolerance outer diameter (halonet)       1.5 %         Material wire insulation       PP         Amount wires       8         Outer diameter insulation       1.2 mm         Conductor crosssection (wire)       0.25 mm <sup>2</sup> Material conductor wire       Stranded coper wire, bare         Conductor yer (wire)       stranded coper wire, bare         Conductor yer (wire)       stranded coper wire, bare         Construct roy (wire)       stranded coper wire, bare         Construct roy (wire)       stranded coper wire, bare         Construct roy (wire)       stranded coper wire, bare	Amount stranding	1
wire anangement       brown, while, rod, blue, pink, gray, yellow, green         Cable weight       68.3 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       1ead free, cadmium free, CFC-free, halogen free, silicone-free         Outer-diametic (jacket)       ± 5 %.         Material jacket       PP         Amount wires       8         Outer diametic navalation       1.2 mm         Outer diametic navalation       1.2 mm         Outer diametic navalation       70 ± 5 Shore D         Ingredient freeness wire insulation       1.2 mm         Outer diametic navalation       70 ± 5 Shore D         Ingredient freeness wire insulation       1.2 mm         Material sochuld (wire)       32         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0.25 mm²         Material conductor wire       Stranded copper wire, pare         Conductor vive (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (strandard)       to DIN VDE coses 4	Stranding	8 wires around Core filler twisted
Cable weight       58,3 g/m         Material jacket       PUR         Shore hardness jakkt       90 5 Shore A         Freedom from ingredients (jacket)       lead free, cadmium free, CFC-free, halogen free, silicone free         Outer-diameter (jacket)       5.8 mm         Doter-diameter (jacket)       5.5 %         Material wire insulation       PP         Amount wires       8         Outer diameter insulation       1.2 mm         Outer diameter insulation       70 1 6 Shore D         Ingredient freeness wire insulation       1.2 mm         Outer diameter insulation       1.2 mm         Conduct or sisses wire insulation       1.2 mm         Conductor resess wire insulation       1.2 mm         Conductor visses wire insulation       1.2 mm         Conductor visses wire insulation       1.2 mm         Conductor visses wire insulation       1.0 mm         Conductor visses wire insulation       1.0 mm         Conductor visses wire insulation       1.0 mm         Conductor type (wire)       strand deas 6         Traversing distance (C+track)       1.0 m @ 25 °C [ horitortal         Normial voltage AC max.       300 V         Current load capacity min.	Filler	yes
Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead three, cadmium-free, CFC-free, halogen free, silicone-free         Outer-diameter (jacket)       5.8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       8         Outer diameter insulation       1.2 mm         Outer diameter insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       12 mm         Outer diameter of single wires       0,1 mm         Conductor or sessettion (wire)       32         Diameter of single wires       0,1 mm         Conductor viscosettion (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor viscosettion (wire)       0,25 mm²         Carrent load capacity (strandard)       to ID NDE 0298-4         Current load capacity (winshard)       3 A         Electrical resistance line constant wire       79 D/km @ 29 °C         Min. operating temperature max. (dynamic)       2.5 kV @ 60 s         Power tequency withstard voltage (wire - visc)       2.5 kV @ 60 s         Power tequency withstard volta	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       tead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer diameter (jacket)       5.8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       8         Outer diameter trisulation       1.2 mm         Outer diameter tolerance core insulation       1.2 mm         Outer diameter tolerance core insulation       1.2 S Shore D         Ingredient freeness wire insulation       16 S Shore D         Ingredient freeness wire insulation       1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0.1 mm         Conductor wire       Stranded cooper wire, bare         Conductor wire       Stranded cooper wire, bare         Conductor wire       Stranded cooper wire, bare         Conductor type (wire)       strant class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage (Wire wire)       2.5 KV @ 60 s         Current load capacity min. wire       3 A         Electrical resistance line constant wire       79 Chm @ 20 °C <td>Cable weigth</td> <td>58,3 g/m</td>	Cable weigth	58,3 g/m
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5,8 mm       Tolerance outer diameter (sheath)     2 5 %       Material wire insulation     PP       Amount wires     8       Outer diameter tolerance core insulation     1.2 mm       Outer diameter tolerance core insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0.1 mm       Conductor crosssection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vipe (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voitage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (wire)     2.5 kV @ 60 s       Power frequency withstand voitage (wire - wire)     2.5 kV @ 60 s       Min. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     -40 °C       Mina. opera	Material jacket	PUR
Outer diameter (acket)       5,8 mm         Tolerance suter diameter (sheath)       1 5 %         Matrial wire insulation       PP         Amount wires       8         Outer diameter insulation       1,2 mm         Outer diameter insulation       1 5 %         Shore hardness wire insulation       1 5 %         Shore hardness wire insulation       1 5 %         Ingredient freeness wire insulation       1 4 5 %         Mount stands (wire)       32         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,25 mm²         Matrial zonductor wire       Strand dcopper 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 02 °C A	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (aheath) $\pm$ 5 %Material wire insulationPPAnount wires8Outer diameter insulation1.2 mmOuter diameter lolerance core insulation $\pm$ 5 %Shore hardness wire insulationTo $\pm$ 5 % for DIngredient freeness wire insulation10 ± 5 %Diameter of single wires0.1 mmConductor travessection (wire)0.25 mm²Diameter of single wires0.1 mmConductor travessection (wire)0.25 mm²Conductor travessition (standard)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 (wine - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - vire)2.5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h OperationOperating temperature max. (dynamic)80 °C / 90 °C 0 10000 h Operati	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation       PP         Amount wires       8         Outer diameter insulation       1.2 mm         Outer diameter follorance core insulation       15 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       80 ± 5 %         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0.25 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 0284-4         Current load capacity min. wire       3 A         Electrical resistance line constant wire       79 0/km @ 20 °C         AC withstand voltage (wire - vire)       2.5 kV @ 60 s         Power focuency withstand voltage (wire - isolactor)       2.6 kV @ 60 s         Max. operating temperature (statc)       -40 °C         Max. operating temperature (statc)       -40 °C         Max. operating temperature (statc)       -50 °C @ 10000 h Operation	Outer-diameter (jacket)	5,8 mm
Amount wires   8     Outer diameter insulation   1.2 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)   32     Diameter of single wires   0.1 mm     Conductor crosssection (wire)   0.25 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 (mire wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - xire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - xire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - 2.5 kV @ 60 s   60 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   40 °C     Max. operating temperature (static)   40 °C     Max. operating temperature (static)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Ot resistance   IDK N 50 4482	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation       1.2 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Impredient Treeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0.1 mm         Conductor crossection (wire)       0.25 mm <sup>p</sup> Matrial conductor wire       Stranded copper wire, bare         Conductor type (wire)       strande class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage (wire - data capacity min, wire)       3.A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - alacket)       80 °C / 90 °C @ 10000 h Operation         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)       80 °C / 90 °C @ 10000 h Operation         UV resistance       ID N EN ISO 4392-2 A         Flame resistance       IEC 600332-22	Material wire insulation	PP
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 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 to acqueatity (standard)       to DIN VDE 0298-4         Current to acqueatity (min. wire       3 A         Electrical resistance line constant wire       79 Ωkm @ 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 operature min. (dynamic)       -25 °C         Operating temperature (static)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (static)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4882-2 A         Flame resistance	Amount wires	8
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)       32         Diameter of single wires       0.1 mm         Conductor crosssection (wire)       0.25 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 029-4         Current load capacity (standard)       to DIN VDE 029-8         Rectrica resistance ince constant wire       7.0 km @ 20 °C         AC withstand voltage (wire - ispace (statk)       -40 °C         Max. operating temperature (statk)       -40 °C	Outer diameter insulation	1,2 mm
Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,25 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 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 (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4882-2 A         Flame resistance       IEC 60332-2 I UL 1581 § 1100 FT2   UL 1581 § 1090         Chemical resistance       Good, application-related testing <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor vires     0.25 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 VE 0298-4       Matistand voltage (wire - wire)     2.5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 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     3 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - ise for 0 °C @ 10000 h Operation     2,5 kV @ 60 s       Min. operating temperature (tstatic)     -40 °C       Max. operating temperature (static)     -40 °C       Max. 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     EleC 6032-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Dio	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)       0,25 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 - akie)       2,5 kV @ 60 s         Min: operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Operating temperature (static)       -25 °C         Operating temperature (static)       -25 °C         Operating temperature (static)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       IEC 60332-2-2 I UL 1581 § 1100 FT2   UL 1581 § 1090         c	Amount strands (wire)	32
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         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         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (min. (dynamic)       -25 °C         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Glavel resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)	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. wire3 AElectrical resistance line constant wire79 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2 I UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN 16091-1404   Good, application-related testingBending 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	Conductor crosssection (wire)	0,25 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. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 000 th I application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mic. @ 25 °CNo. of torsion cycles2 Mio. </td <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	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     3 A       Electrical resistance line constant wire     79 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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Gasoline resistance     IO × Outer diameter       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 × Outer diameter       Travel speed (C-track)     10 Mio. @ 25 °C       No. of t	Conductor type (wire)	strand class 6
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity min. wire     3 A       Electrical resistance line constant wire     79 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       Nin. 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     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     10 Mio. @ 25 °C       No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire     79 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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 × Outer diameter       Travel speed (C-track)     10 Min. @ 25 °C       No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60322-22   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     10 Mio. @ 25 °C       No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Current load capacity min. wire	3 A
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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       Travel speed (C-track)     10 Mio. @ 25 °C       No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Electrical resistance line constant wire	79 Ω/km @ 20 °C
jacket)2,5 kV @ b0 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer 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
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating 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 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer 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
UV resistanceDIN EN ISO 4892-2 AFlame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistanceIEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 × 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
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending 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	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance     DIN EN 60811-404   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	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	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 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: 2024-05-18

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