

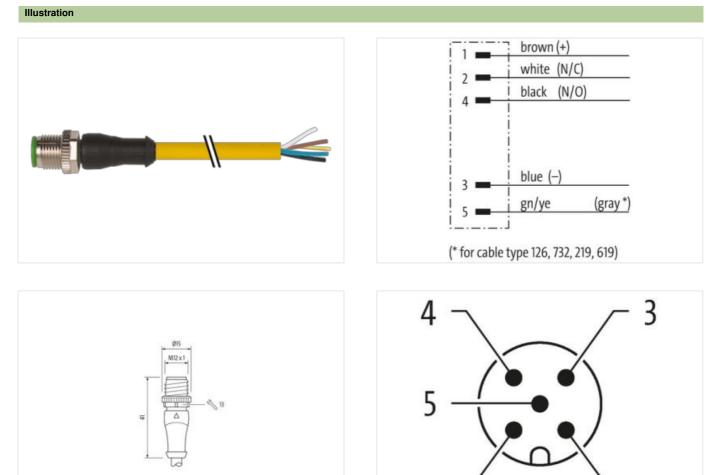
2

## M12 male 0° A-cod. with cable

PUR 5x0.34 ye UL/CSA+drag ch. 4m

Male straight A-coded M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product



Product may differ from Image



Cable length

Side 1

Tightening torque

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

4 m

0,6 Nm

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| Mounting method                                      | inserted, screwed   |
|--|---|
| Family construction form                             | M12   |
| Thread   | M12 x 1   |
| suitable for corrugated tube (internal $\emptyset$ ) | 10 mm   |
| Coding   | A   |
| Material   | PUR   |
| Width across flats                                   | SW13  |
| Degree of protection (EN IEC 60529)                  | IP65, IP66K, IP67   |
| Side 2   |   |
| Stripping length (jacket)                            | 20 mm   |
| Commercial data                                      |   |
| ECLASS-6.0   | 27279218  |
| ECLASS-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   | 4048879302371   |
| Packaging unit                                       | 1   |
| Electrical data   Supply                             |   |
| Operating voltage AC max.                            | 125 V   |
| Operating voltage DC max.                            | 125 V   |
| Operating voltage AC (UL-listed)                     | 30 V  |
| Operating voltage DC (UL-listed)                     | 30 V  |
| Current operating per contact max.                   | 4 A   |
| Installation   Connection                            |   |
| Stripping length (jacket)                            | 20 mm   |
| Mounting set   | M12 x 1   |
| Device protection   Electrical                       |   |
| Additional condition protection degree               | inserted, screwed   |
| Pollution Degree                                     | 3   |
| Rated surge voltage                                  | 1,5 kV  |
| Material group (IEC 60664-1)                         |   |
| 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<br>endangered by excessive bending forces. |

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## Conformity

| Institution ( Cable       Cable intertion     126       Cable Type     3       Jacket Color     yellow       Type of Cartificate     ulPus       Stranding     1       Stranding     5 wries around Core filer twisted       Filer     yes       Wie arrangement     brown, black, blue, white, gray       Cable weigh     418 gray       Attential jacket     PUI       Material jacket     PUI       Stron hardness jackut     90 a 5 Storo A       Freedom from ingredins ( gackut)     18 arm       Cater-diameter (gackut)     4.8 mm       Cater-diameter (gackut)     4.5 %       Amount wise     5       Cater-diameter (gackut)     4.5 %       Amount wise     5       Cater-diameter (strongen constinution)     12.5 from D       Ingredient freeness wire insulation     12.5 %       Cater-diameter (strongen constinution)     42.8       Damoter of singling wires     0.1 arm       Card-diameter insulation     10.9 @ 25 *C1 horizontal       Material conductor type (wris)     0.3 4 mm²  | Product standard                         | DIN EN 61076-2-101 (M12)                                       |
|--|--|--|
| Cable Type     3       Jacké Clori     yellow       Type of Cafficate     cURus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yel       Cable weigh     41.8 g/m       Material jacket     PUH       Store hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     48.8 mm       Tolerance surfer dimeter (storest)     4.8 mm       Tolerance surfer dimeter (storest)     5 %       Material wire insulation     PP       Annount vires     5       Outer diameter (storest)     1.2 5 mm       Outer diameter insulation     1.2 5 %       Shore hardness wire insulation     1.2 5 %       Darbert dimeter weinsulation     1.2 5 %       Conductor crossestion (wire)     0.4 mm       Conductor vires     0.1 mm       Conductor weinsulation     1.0 m @ 25 % [ horicontal       Normial vires   | Installation   Cable                     |  |
| Cable Type     9       Jacket Color     yellow       Type of Cartificab     CURus       Arnout stranding     1       Stracking     5 wise around Core filler twisted       Filler     yes       Cable weigh     41.8 g/m       Material jocket     90 ± 5 Shore A       Freedom Tom Ingredients (jacket)     40.4 5 Shore A       Freedom Tom Ingredients (jacket)     4.4 J m       Outer diameter (jacket)     4.5 Shore A       Freedom Tom Ingredients (jacket)     4.5 Shore A       Freedom Tom Ingredients (jacket)     4.5 Shore A       Freedom Tom Ingredients (jacket)     5.5       Outer diameter (interation     7.5       Arnount virise     5       Outer diameter insulation     1.5 Sm       Outer diameter insulation     1.5 Sm       Shore hardness wei insulation     1.5 Sm       Conductor crossection (wire)     0.34 mm²       Conductor vires     5.1 Smore D       Ingredient Treeness wire insulation     1.6 S m       Conductor vires     Stranded copper wire, bare       Conductor vires     Stranded copper wire, bare   | Cable identification                     | 126  |
| Jacket Color     yellow       Type of Carlificatio     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       Write arrangement1     brown, black, blue, while, gray       Cable weigh     41,8 grm       Material Jacket     PUR       Shore hardness jacket     90 5 Shore A       Freedom Trom Ingredents (gacket)     Iead-Face, cadmum-free, CPC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Toterance outer diameter (jacket)     4.8 mm       Outer-diameter (jacket)     4.8 mm       Outer diameter (jacket)     4.5 %       Shore hardness wire insulation     70 5 S hore D       Ingredent freenesserve insulation     70 5 S hore D       Ingredent freenes   |  | 3  |
| Type of Certificate     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     41,8 g/m       Material jacket     PUR       Shore hardness jacket     90 5 Shore A       Freedom from ingredients (glacket)     less/free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer-diamater (glacket)     4.8 mm       Tealerance cuter diameter (sharet)     5 %       Material wire insulation     PP       Amount wires     5       Outer diamater insulation     1.25 mm       Outer diameter titerance core insulation     1.25 mm       Card diameter titerance core insulation     1.25 mm       Card diameter titerance core insulation     1.25 Shore D       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm <sup>2</sup> Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     4.70 Am de 25 °C       Trawrendig disarce (Fracka)   |  | vellow   |
| Anourt stranding   1     Stranding   5 wires around Core filter twisted     Filter   yes     wire arrangement   brown, black, blue, white, gray     Cable weight   41,8 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom Tom ingredients (jacket)   4.8 mm     Tolerance outer diameter (behatt)   1 5 %     Material jacket   PP     Amount winse   5     Outer diameter (insulation   PP     Amount winse   5     Outer diameter (insulation   1.5 %     Shore hardness wire insulation   1.6 Smm     Outer diameter insulation   1.25 mm     Outer diameter (insulation   1.25 mm     Outer diameter insulation   1.26 mm     Conductor crossection (wire)   0.34 mm <sup>2</sup> Barneter of single wires   0,1 mm     Conductor trype (wire)   strand class 6     Traversing distance (-track)   10 m @ 25 °C [horizontal     Nominal voltage AC max.   300 V     Current load capacity (strandard)   to DIN VDE 028-4     Curent load capacity (strandard)   to DIN VD   | Type of Certificate                      |  |
| Stranding     5 wires around Core Illier twisted       Filer     yes       wire arrangement     brown, black, blue, white, gray       Gabia weight     41.8 p/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)     4.8 mm       Tolerance outer diameter (black)     5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Conductor crossection (wire)     4.2       Diameter of single wires     0,1 mm       Conductor wire insulation     1.0 mg 0.25 °C Invizontal       Norminal voltage AC max.     3000 V       Current load capacity (min. wire     4.5 A       Electrical resistance (inconstant wire)     5.7 0.4 mm?       Current load capacity (min. wire     4.5 A       Electrical resistance (wire: wire)     2   |  |  |
| wire arangement     brown, black, blue, white, gray       Cable weight     41,8 g/m       Cable weight     41,8 g/m       Shore hardness 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)     4.8 mm       Tolerance outer diameter (shealth)     ± 5 %       Material jacket     PP       Amount wires     5       Outer diameter tolerance ore insulation     1.25 mm       Outer diameter tolerance ore insulation     1.25 mm       Outer diameter tolerance ore insulation     1.26 mm       Torgetent freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, elicone-free       Amount strands (wire)     4.2       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm²       Material conductor wire     Stranded cages 6       Traversing distance (C-track)     10 m @ 25 °C   forizontal       Normal voltage AC max.     300 V       Current load cagacity min. wire     4.5 A       Electrical resistance line constant wire  |  | 5 wires around Core filler twisted                             |
| Cable weigth     41,8 g/m       Material jacket     PUR       Shore hardness jackit     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium free, CFC free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness 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     42       Diameter of single wires     0,1 mm       Conductor rype (wire)     5trand dass 6       Traversing diatance (C-track)     10 m @ 25 °C [ horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DN Vb E 0298-4       Current load capacity (standard)     to DN Vb E 0298-4       Current load capacity (standard)     to DN Vb E 0298-4       Current load capacity (standard)     to DN Vb E 0298-4       Current load capacity (sta   | Filler                                   | yes  |
| Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead tree, cadmium-free, CPC-free, halogen-free       Outer diameter (jacket)     4.8 mm       Tolerance outer diameter (jacket)     4.8 mm       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Material wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.24 5 %       Amount stands (wire)     42       Dameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>2</sup> Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded cosper wire, bare       Conductor vire     Stranded cosper wire, bare       Conductor vire     Stranded cosper 4.4       Diameter of single wires     0,1 mm       Conductor vire     Stranded cosper 4.4       Current cost agaeity (standard)     to DN V DE 288-4       Current load capaoly min. wire  | wire arrangement                         |  |
| Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jacket)4.8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter ore insulation1.25 mmOuter diameter ore insulation1.25 mmOuter diameter situation1.25 mmOuter diameter or leaves wire insulation1.25 mmConductor rossection (wire)42Diameter of single wires0,1 mmConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 029 °CAC withstand voltage (wire - wire)2.5 kV $@$ 60 sPrower frequency withstand voltage (wire - wire)2.5 kV $@$ 60 sMin. operating temperature                                      | Cable weigth                             | 41,8 g/m   |
| 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 %       Tolerance outer diameter (sheath)     4.5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor crossection (wire)     42       Diameter of single wires     0,1 mm       Conductor vice consesection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vice (G-track)     10 m @ 25 °C   horizontal       Nominal voitage AG max.     300 V       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0280-4       Current load capacity (min- wire)     2.5 kV @ 60 s       Power frequency withstand voitage (wire - wire)     2.5 kV @ 60 s       Min. operating temperature (fixed)     40 °C <td></td> <td>PUR</td>  |  | PUR  |
| Outer-diameter (Jacket)     4.8 mm       Tolerance outer (diameter (sheath))     ± 5 %       Matorial wire insulation     PP       Amount wires     5       Outer diameter (sheath)     ± 5 %       Matorial wire insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     12.5 Shore D       Ingradient freeness wire insulation     16ad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m 0 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (stinadard)     to DIN VDE 0288-4       Current load capacity (stinadard)     to DIN VDE 0288-4       Current load capacity (stinadard)     to DIN VDE 0288-4       Carrent load capacity (stinadard)     to DIN VDE 0288-4       Carrent load capacity (stinadard)     to DIN VDE 0286 0 s       Max. oper   |  | 90 ± 5 Shore A   |
| Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   164 ± 75%     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,34 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor (wire)   0,34 mm <sup>2</sup> Conductor (wire)   0,34 mm <sup>2</sup> Conductor (wire)   0,34 mm <sup>2</sup> Conductor (wire)   0,1 mm     Conductor (wire)   0,1 mm     Conductor (wire)   0,1 mm     Conductor (wire)   0,1 mm     Conductor (wire)   0,24 mm <sup>2</sup> Conductor (wire)   0,24 mm <sup>2</sup> Conductor (wire)   0,24 mm <sup>2</sup> Conductor (wire)   0,25 md class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity min. wire   4,5 A  | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation     PP       Amount wires     5       Outer diameter insulation     1.26 mm       Outer diameter insulation     15 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     164/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     Strand class 6       Conductor crosssection (wire)     0.34 mm <sup>2</sup> Mominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4   | Outer-diameter (jacket)                  | 4,8 mm   |
| Amount wires     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     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 028-4       Current load capacity (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2.5 kV @ 60 s       Rin. operating temperature (kixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (kixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (kixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (kixed)     80 °C / 90 °C @ 100000 h Operation   | 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       Ingredent freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,34 mm <sup>3</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 0288-4       Current load capacity (standard)     to DIN VDE 028-4       Current load capacity (standard)     to DIN VDE 028-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN *0 © 0° °C       Ac withst  | 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)     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 (strandard)     to DIN VDE 0298-4       Current toad capacity (strand voltage (wire -     2,5 kV @ 60 s       Min. operating temperature (strad)     80 °C / 90 °C @ 10000 h Op  | Amount wires                             | 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 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 mix/mix     45 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - also acapacity mix/mix)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - also acapacity mix/mix)     40 °C       Max. operating temperature (statle)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Correating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Flame resistan  | Outer diameter insulation                | 1,25 mm  |
| 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 load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - invire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - invire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     -40 °C       Max. operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     80 °C / 90 °C @ 10000 h Operation       Planeteresistance     God, application-related testing <td>Outer diameter tolerance core insulation</td> <td>±5%</td>      | Outer diameter tolerance core insulation | ±5%  |
| Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   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 win. wire   4,5 A     Electrical resistance line constant wire   57 Qkm @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - ispace)   2,5 kV @ 60 s     Nax. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating temperature min. (dynamic)   -25 °C     Operating tensistance   God, application-related testing     Goid, application-related testing   Goid, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   | Shore hardness wire insulation           | 70 ± 5 Shore D   |
| 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 win. wire   4,5 A     Electrical resistance line constant wire   57 Qkm @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - ispace)   2,5 kV @ 60 s     Nax. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating temperature min. (dynamic)   -25 °C     Operating tensistance   God, application-related testing     Goid, application-related testing   Goid, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   | Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   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   4,5 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     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   Good, application-related testing     Galoeline resistance   Good, application-related testing     Oil resistance   Good, app   | Amount strands (wire)                    |  |
| 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     4,5 A       Electrical resistance line constant wire     57 Q/km @ 20 °C       AC withstand voltage (wire - is 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 (static)     -40 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation  | Diameter of single wires                 | 0,1 mm   |
| 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     4,5 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 (static)     -40 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090       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 <td>Conductor crosssection (wire)</td> <td>0,34 mm<sup>2</sup></td> | 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. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire -<br>jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   EC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi vouter diameterTravel speed (C-track)10 Nio. @ 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   4,5 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     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     Flame resistance   UL 1881 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical 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     Tavel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress <td>Conductor type (wire)</td> <td>strand class 6</td>   | Conductor type (wire)                    | strand class 6   |
| Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 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     Chemical resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     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   DIN EN 60811-404     Bending radius (fixed)   5 × Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m   | Traversing distance (C-track)            | 10 m @ 25 °C   horizontal                                      |
| Current load capacity min. wire   4,5 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 (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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing <t< td=""><td>Nominal voltage AC max.</td><td>300 V</td></t<>                                 | Nominal voltage AC max.                  | 300 V  |
| 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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     In x Outer diameter   Travel speed (C-track)     Travel speed (C-track)   10 Mio. @ 25 °C  <   | Current load capacity (standard)         | to DIN VDE 0298-4  |
| AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire -<br>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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi v Outer diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m   | Current load capacity min. wire          | 4,5 A  |
| Power frequency withstand voltage (wire -<br>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 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 vouter 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 resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDiffication related testing10 N Outer diameterBending 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 OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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  |
| Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil 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 resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical 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 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                         | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090            |
| Oil 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   | 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 °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: 2024-05-19

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