

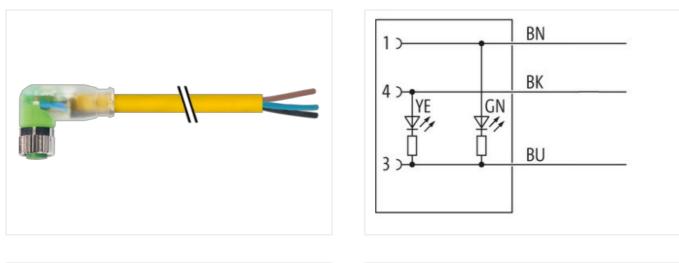
## M8 female 90° A-cod. with cable LED

PUR 3x0.25 ye UL/CSA+robot+drag ch. 1.5m

Female 90° M8, 3-pole 2× LED (PNP) Art-No. 7005 - M8 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

Illustration





Product may differ from Image



1,5 m

0,4 Nm

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



| Mounting method  | inserted, screwed                     |
|--|---------------------------------------|
| Family construction form                               | M8                                    |
| Thread   | M8 x 1                                |
| suitable for corrugated tube (internal Ø)              | 6,5 mm                                |
| Cable outlet   | angled                                |
| Coding   | Α                                     |
| Material   | PUR                                   |
| No. of poles   | 3                                     |
| Width across flats                                     | SW9                                   |
| Degree of protection (EN IEC 60529)                    | IP65, IP66K, IP67                     |
| Side 2   |                                       |
| Stripping length (jacket)                              | 20 mm                                 |
| Family construction form                               | free cable end                        |
| 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   | 4048879227049                         |
| Packaging unit   | 1                                     |
| Electrical data   Supply                               |                                       |
| Operating voltage DC                                   | 24 V                                  |
| Operating voltage DC min.                              | 18 V                                  |
| Operating voltage DC max.                              | 30 V                                  |
| Operating voltage DC max. (UL-listed)                  | 30 V                                  |
| Current operating per contact max.                     | 4 A                                   |
|  |                                       |
| Diagnostics  |                                       |
| Status indication LED                                  | green, yellow                         |
| Installation   Connection                              |                                       |
| Stripping length (jacket)                              | 20 mm                                 |
| Mounting set   | M8 x 1                                |
| Device protection   Electrical                         |                                       |
| Additional condition protection degree                 | inserted, screwed                     |
| Pollution Degree                                       | 3                                     |
| Rated surge voltage                                    | 0,8 kV                                |
| Material group (IEC 60664-1)                           | 1                                     |
| Mechanical data   Material data                        |                                       |
| Coating locking  | safe-cover coated                     |
| 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                                 |
| rmation in this Product-PDF has been compiled with the | a utmost care                         |

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| Important Installation noles     Protect the consulous by solubile meanurs from machanical kade, e.g. by the usage of cable fee.       Note on sensing radua     Attention: Observe the permissible bending radi wen aying cables, as the IP protection ofass can be anding through and by excessive bending forces.       Product of the consultation of the consult | Additional condition temperature range | depending on cable quality  |
|---|--|---|
| Note on bending radiu     Attention: Observe the permissible bending tradius then laying cables, as the IP protection class can be<br>endangered by excessive bending forces.       Contornity     Product tandard     DNI EN 510762-104 (M8)       Installation (Cable     Cable identification     050       Cable identification     050     Cable identification     050       Stranding     3 wires twitted     wires arrangement     brown, black, blue     Cable inspective identification     051     Stranding     Stranding     053     Store Indicates identification     051     Store Indicates identification     051     Store Indicates identification     051     Store Indicates identification     155     Material wire maduation     PP     Product transpective identification     125     Material wire maduation     125     Store Indicates identification     125     Material wire maduation     143     35       Outer dimenser instalation     125     Store Indicates identin wire maduati  | Important installation notes           |   |
| Note on bending radiu     Attention: Observe the permissible bending tradius then laying cables, as the IP protection class can be<br>endangered by excessive bending forces.       Contornity     Product tandard     DNI EN 510762-104 (M8)       Installation (Cable     Cable identification     050       Cable identification     050     Cable identification     050       Stranding     3 wires twitted     wires arrangement     brown, black, blue     Cable inspective identification     051     Stranding     Stranding     053     Store Indicates identification     051     Store Indicates identification     051     Store Indicates identification     051     Store Indicates identification     155     Material wire maduation     PP     Product transpective identification     125     Material wire maduation     125     Store Indicates identification     125     Material wire maduation     143     35       Outer dimenser instalation     125     Store Indicates identin wire maduati  | Note on strain relief                  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Product standard     DN EN 61078-2-104 (M8)       Installion (Cable       Cable inferification     050       Cable Type     5       Cable Cool     yellow       Type of Carificate     c.UFus       Amount strunding     1       Stranding     3 wies wieted       wire atrangement     brown, black, blue       Cable weigh     26,4 g/m       Material jacket     PUR       Strow hardness jacket     54,3 Store D       Freedom tom ingreedents (jacket)     4.3 mm       Tolerance auter diameter (blackf)     4.5 %       Material jacket     PP       Amount vires     3       Outer diameter instalton     1.25 mm       Cuter diameter instalton     1.25 mm       Cuter diameter instalton     1.25 mm       Cuter diameter instalton     1.25 mm       Conductor crossection (win)     32       Diameter diality in insultation     1.25 mm       Conductor resource insulton     1.25 mm       Conductor resource insulton     1.25 mm       Conductor resource insulton     1.25 mm   | Note on bending radius                 |   |
| Institution ( Cable       Cable instruction     650       Cable Color     yellow       Type of Conflicate     CURus       Annount stranding     1       Stranding     3 wires invisted       wires arrangement     Down, black, blue       Cable weigh     28,4 gm       Material jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     PUR       Outer-diamster (jacket)     48 at 3 Shore D       Freedom from ingredentin (jacket)     45 3%       Tolerance outer diameter (sheath)     45 %       Material jacket     9 8       Outer diameter insulation     9 5%       Shore hardness wire insulation     125 rm       Outer diameter insulation     125 rm       Outer diameter insulation     125 rm       Shore hardness wire insulation     125 rm       Conduct or single wires     0.1 rm       Conductor vires     Standed coppor wire, bare       Conductor vires (C 1ask)     5 % 25 (1on torsunal       Material vonductor wire     Standed coppor wire, bare       Conductor vires (C 1ask) </td <td>Conformity</td> <td></td>   | Conformity                             |   |
| Institution ( Cable       Cable instruction     650       Cable Color     yellow       Type of Conflicate     CURus       Annount stranding     1       Stranding     3 wires invisted       wires arrangement     Down, black, blue       Cable weigh     28,4 gm       Material jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     PUR       Outer-diamster (jacket)     48 at 3 Shore D       Freedom from ingredentin (jacket)     45 3%       Tolerance outer diameter (sheath)     45 %       Material jacket     9 8       Outer diameter insulation     9 5%       Shore hardness wire insulation     125 rm       Outer diameter insulation     125 rm       Outer diameter insulation     125 rm       Shore hardness wire insulation     125 rm       Conduct or single wires     0.1 rm       Conductor vires     Standed coppor wire, bare       Conductor vires (C 1ask)     5 % 25 (1on torsunal       Material vonductor wire     Standed coppor wire, bare       Conductor vires (C 1ask) </td <td>Product standard</td> <td>DIN EN 61076-2-104 (M8)</td>  | Product standard                       | DIN EN 61076-2-104 (M8)   |
| Cable identification     050       Cable Type     5       Locket Coor     yellow       Type of Cortificate     cUPus       Amount stranding     1       Stranding     3 wires lowsted       Cable arright     2.4 g/m       Material jacket     PUR       Strom thatmissi global     81.9 Strom D       Freedom from regionations (global)     18d.1 Strom D       Freedom from regionations (global)     18d.3 Strom D       Tolerance outer diameter (global)     1.4 3 mm       Tolerance outer diameter (global)     4.3 mm       Tolerance outer diameter (global)     1.5 mm       Outer diameter insulation     PP       Amount wires     3       Outer diameter insulation     1.5 mm       Outer diameter insulation     1.4 3 Strom D       Freedom from regions     0.1 mm       Conductor cassection (wire)     0.25 mm²       Material conductor wire     Stramded copper wire, bare   |  |   |
| Cable Type     5       Jacket Color     yellow       Type of Carlificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     28.4 g/m       Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     1.85 ± 3 Shore D       Tolerance outer diameter (jacket)     4.5 %       Material jacket     PUR       Amount wires     3       Outer diameter (jacket)     4.5 %       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     7.4 ± 3 Shore D       Tingredient freense were insulation     7.4 ± 3 Shore D       Tingredient freense were insulation     1.25 mm       Outer diameter totic systems were insulation     1.4 ± 3 Shore D       Tingredient freense were insulation     1.4 ± 3 Shore D       Tingredient freense were insulation     1.5 %       Diameter of single wree     0.1 mm   |  |   |
| Jacket Color     yellow       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     26,4 g/m       Material jacket     PUR       Shore hardness plot     58:3 Shore D       Freedom from ingredients (jackot)     lead free, cadmium free, CFC free, habgen free, allicone free       Outer diameter (jackot)     4:3 mm       Tolerance outer diameter (jackot)     1:5 %       Material installion     PP       Amount wires     3       Outer diameter installion     1:25 mm       Conductor type wire     0:1 mm       Conductor type (wire)     32       Diameter of ingring wires     0:1 mm       Conductor type (wire)     32 mm <sup>2</sup> Conductor type (wire)     32 mm <sup>2</sup>  |  |   |
| Type of Certificate     cURus       Amount stranding     1       Stranding     wrice twislad       write arrangement     brown, black, blue       Cable weight     26.4 g/m       Material jacket     PUR       Shore hardness jacket     58.9.3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmum-free, CFC free, halogen-free, allicone-free       Dute-diameter (incket)     4.3 mn       Tolerance outer diameter (insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.45 %       Shore hardness wire insulation     74.1 3 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor crosssection (wire)     32       Dameter of single wires     0.1 mm       Conductor vires server insulation     1.82 mm²       Material conductor wires     5 m @ 25 °C   horizontal       Normial voltage AC max.     300 V       Conductor vires weight wires     0.1 mm       Conductor vires weight mo.     5 A       Electrical resistance linc constant wire     5 °C   horizontal   |  |   |
| Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weight   28.4 g/m     Material jacket   PUR     Stron hardness jacket   68.4 3 Shore D     Freedom from ingrodients (jacket)   lead-free, cadmum-free, CFC-free, halogen-free, silicone-free     Outer diameter (jacket)   4.5 %     Material were insulation   PP     Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.45 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.25 mm     Material verses were insulation   1.25 mm     Ordicator crossection (wire)   0.25 mm <sup>2</sup> Material verse   0.1 mm     Conductor type (wire)   32     Diameter of single wires   0.1 mm     Conductor type (wire)   strand class 6     Traversing distance (C track)   <  |  |   |
| Stranding 3 wires twisted   wire arrangement brown, black, blue   Cable weigh 26,4 g/m   Material jacket PUR   Shore hardness jacket 58 ± 3 Shore D   Freedom from ingredients (jacket) 64,3 mm   Tolerance outer diameter (jacket) 4.3 mm   Tolerance outer diameter (abeath) ± 5 %   Material wire insulation PP   Amount wires 3   Outer diameter fuelerance ore insulation 1,25 mm   Outer diameter tolerance ore insulation 1,25 mm   Outer diameter ol single wires 0,1 mm   Conductor or seconsection (wire) 0,22 mm <sup>2</sup> Diameter ol single wires 0,1 mm   Conductor type (wire) 3 stranded copper wire, bare   Conductor type (wire) strande dase 6   Traversing distance (L-rack) 5 m @ 25 °C   horizontal   Nominal voltage AC max. 300 V   Current tol acapatity (risk mark) 4,5 A   Electrical resistance (Ince (vire)) 2,5 kV @ 60 s   Power frequency withstard voltage (wire - 2,5 kV @ 60 s   Operating temperature max. (Gynamic) </td <td></td> <td></td>  |  |   |
| wire arrangement     brown. black, blue       Cable weight     26,4 g/m       Material jacket     PUR       Shore hardness jackal     58 ± 3 Shore D       Freedom from ingredients (jacket)     tead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material inver insulation     PP       Amount wites     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     1,4 3 Shore D       Ingredient freeness wire insulation     14 3 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of singe wires     0,1 mm       Conductor prequency (wire)     stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded case 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Courrent load capacity (standard)     to DIN VDE (298-4       Curr  |  | · · · · · · · · · · · · · · · · · · ·   |
| Cable weight     26,4 g/m       Material jacket     PUR       Shore hardness jakkt     58 4 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter (hashit)     4.5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Cutor diameter insulation     1.5 %       Shore hardness wire insulation     1.5 %       Shore hardness wire insulation     1.45 %       Cutor diameter (insulation     1.25 mm       Cutor diameter insulation     1.25 mm       Cutor diameter (insulation     1.25 mm       Cutor diameter insulation     1.25 mm       Cutor diameter (insulation     1.25 mm       Camount strands (wire)     32       Diameter of single wires     0.1 mm       Conductor type (wire)     32 mm/d class 6       Traversing distance (C+track)     5 m 0 25 °C   froctrontal       Normal voltage AC max.     300 V       Current load capacity (standard)     to DI IN VDE 028-4   |  |   |
| Material jacket     PUR       Shore hardness jacket     58 ± 3 Shore D       Freedom Tom Ingredients (jacket)     4,3 mm       Outer-diameter (jacket)     4,3 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 insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     1,4 ± 3 Shore D       Ingredient freeness wire insulation     1,4 ± 3 Shore D       Ingredient freeness wire insulation     1,4 ± 3 Shore D       Ingredient freeness wire insulation     1,4 ± 3 Shore D       Conductor (yee)     32       Diameter of single wires     0,1 mm       Conductor (yee) (wire)     3 strand class 6       Traversing distance (C-track)     5 m @ 25 C In horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0296 4       Current load capacity (standard)     to DIN VDE 0295 C In horizontal       Noninal  |  |   |
| Shore hardness jacket     58 ± 3 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 %       Material wire insulation     PP       Arount wires     3       Outer diameter (oberance core insulation     1.25 mm       Outer diameter (oberance core insulation     1.25 mm       Outer diameter (oberance core insulation     1.25 mm       Ingredient freeness wire insulation     1.25 mm       Outer diameter (oberance core insulation     1.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (oberance core insulation     1.25 mm       Conductor Sessection (wire)     32       Diameter of single wires     0.1 mm       Conductor wires     Stranded copper wire, bare       Conductor twire     Stranded copper wire, bare       Current load   |  |   |
| Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 4,3 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Amount twires 3   Outer diameter locance ore insulation ± 5 %   Shoe hardness wire insulation 74 ± 3 Shore D   Ingredient freeness wire insulation i.ed -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 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor vires Stranded copper wire, bare   Conductor vires Stranded copper wire, bare   Conductor type (wire) strand class 6   Traversing distance (C-track) 5 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 029 °C   AC withstand voltage (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   Operating temperature (facd) 60 °C / 90 °C @ 10000 h Operation   |  |   |
| Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     1.4 S %       Shore hardness wire insulation     74 ± 3 Shore D       Ingredient freeness wire insulation     1.4 S %       Shore hardness wire insulation     lead-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 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6       Traversing distance (C-track)     5 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 - vire)     2.5 kV @ 60 s       Power frequeny withstand voltage (wire - vire)     2.5 kV @ 60 s       Mix. operating temperature (static)     -40 °C       Max.   |  |   |
| Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Arnount wires   3     Outer diameter insulation   1.25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   82     Diameter of single wires   0,1 mm     Conductor crossection (wire)   32     Diameter of single wires   0,1 mm     Conductor crossection (wire)   Stranded coper wire, Bare     Conductor wire   Stranded coper wire, Bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inview)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - inview)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temper   |  |   |
| Material wire insulation     PP       Amount Wries     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 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 wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Wire 3 and Cass 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0284-4       Current load capacity (wire - wire)     2,5 kV @ 60 s       Ac withstand voltage (wire - 2,5 kV @ 60 s     2,5 kV @ 60 s       Min. operating temperature (staci)     -40 °C       Max. operating temperature (staci)     20 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C  |  | · · · · · · · · · · · · · · · · · · ·   |
| Amount wires   3     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   74 ± 3 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 orsessection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 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 0288-4     Current load capacity (wire - if 2,5 kV @ 60 s   2,5 kV @ 60 s     Power frequency withstand voltage (wire - if acket)   -4,5 C     Active frequency withstand voltage (wire - if acket)   -4,0 °C     Max. 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   |  |   |
| Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 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 visce     Stranded copper wire, bare       Conductor vice (wire)     Stranded copper vice (wire) <td< td=""><td></td><td></td></td<>   |  |   |
| Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     74 ± 3 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)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4  |  |   |
| Shore hardness wire insulation   74 ± 3 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor tor wire   Stranded copper wire, bare     Conductor tor wire   Strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity winkstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Goperating temperature (static)   -40 °C  |  | ·   |
| 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)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (win- wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - igackel)   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)   80 °C / 90 °C @ 1  |  |   |
| Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 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   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iso account wire)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 11000 FT2   IEC 60332-2-2 <tr< td=""><td></td><td></td></tr<>  |  |   |
| Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 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 - if acket)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature (static)     -40 °C       Max. operating temperature (static)     -10 °C @ 10000 h Operation       Flame resistance     UL  |  |   |
| Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Conductor wire   4,5 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature min. (dynamic)   25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation  |  |   |
| Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 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     79 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   UL 1581 § 1100 FT2   IEC 60332-2-2       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 ra  |  | ·   |
| Conductor type (wire)strand class 6Traversing distance (C-track)5 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 wire79 Ω/km @ 20 °CAC withstand voltage (wire - iacket)2.5 kV @ 60 sPower frequency withstand voltage (wire - iacket)2.5 kV @ 60 sNin. 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   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 380 °/m  |  | ·   |
| Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire79 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 (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 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m   |  |   |
| 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   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     Flame resistance   UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2     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     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   1 Mio.     Torsion stress   ± 360 °/m  |  |   |
| Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 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 (static)   -40 °C     Querting temperature (static)   -60 °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     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   1 Mio.     Torsion stress   ± 360 °/m  |  | · · · · · · · · · · · · · · · · · · ·   |
| Current load capacity min. wire   4,5 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 -<br>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   UL 1581 § 1100 FT2   IEC 60332-2-2     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   1 Mio.     Torsion stress   ± 360 °/m  |  |   |
| 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     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     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   1 Mio.     Torsion stress   ± 360 °/m   |  |   |
| 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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| 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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| 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   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m   |  | 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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical 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 cycles1 Mio.Torsion stress± 360 °/m   | jacket)                                |   |
| Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical 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 cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical 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 cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     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   1 Mio.     Torsion stress   ± 360 °/m  |  |   |
| 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 cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| 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 cycles1 Mio.Torsion stress± 360 °/m  |  |   |
| 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   1 Mio.     Torsion stress   ± 360 °/m   |  |   |
| 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 1 Mio.   Torsion stress ± 360 °/m   |  |   |
| Bending radius (dynamic)   10 × Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   1 Mio.     Torsion stress   ± 360 °/m   |  |   |
| Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m   |  |   |
| No. of torsion cycles 1 Mio.   Torsion stress ± 360 °/m   |  |   |
| Torsion stress ± 360 °/m  |  |   |
|   |  |   |
| I orsion speed 35 cycles/min  |  |   |
|   | i orsion speed                         | 30 Cycles/min   |

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