

## M12 female 0° B-cod. with cable

PUR 5x0.34 ye UL/CSA+drag ch. 3m

Female straight M12, 5-pole B-coded

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

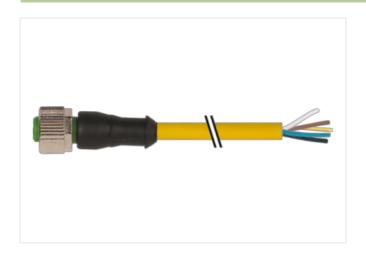
Plastic housings with good resistance against chemicals and oils.

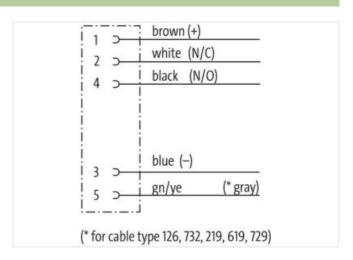
The resistance to aggressive media should be individually tested for your application. Further details on request.

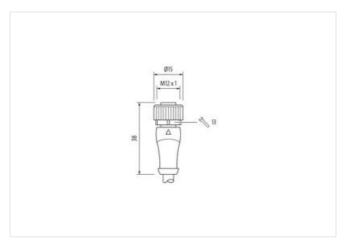
Further cable lengths on request.

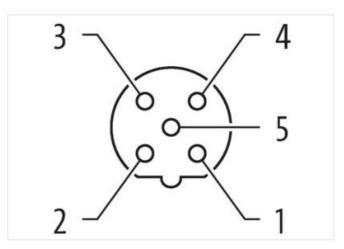
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

3 m

Side 1

Tightening torque

0,6 Nm

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-17



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| Mounting method                           | inserted, screwed                     |
|---|---------------------------------------|
| Coating contact                           | · · · · · · · · · · · · · · · · · · · |
| Family construction form                  | gold plated M12                       |
| Thread                                    | M12 x 1                               |
| suitable for corrugated tube (internal Ø) | 10 mm                                 |
|   | B                                     |
| Coding  Material contact                  | · · · · ·                             |
|   | Copper alloy PUR                      |
| Material No. of pales                     | 5                                     |
| No. of poles Width across flats           | SW13                                  |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67                     |
|   | II 65, II 66K, II 67                  |
| Side 2                                    |                                       |
| Coating contact                           | gold plated                           |
| Commercial data                           |                                       |
| ECLASS-6.0                                | 27061801                              |
| 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                                      | 4048879777001                         |
| Packaging unit                            | 1                                     |
| Electrical data   Supply                  |                                       |
| Operating voltage AC max.                 | 125 V                                 |
| Operating voltage DC max.                 | 125 V                                 |
| Current operating per contact max.        | 4 A                                   |
| Diagnostics                               |                                       |
| Status indication LED                     | no                                    |
| Installation   Connection                 |                                       |
| Mounting set                              | M12 x 1                               |
|   | M12 X I                               |
| Device protection   Electrical            |                                       |
| Additional condition protection degree    | inserted, screwed                     |
| Pollution Degree                          | 3                                     |
| Rated surge voltage                       | 1,5 kV                                |
| Material group (IEC 60664-1)              | T T T T T T T T T T T T T T T T T T T |
| Mechanical data   Material data           |                                       |
| Coating locking                           | Nickeled                              |
| Coating of fitting                        | nickel plated                         |
| Material gasket                           | FKM                                   |
| 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            |
| . •                                       |                                       |

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| Installation   Cable Cable Inpre 3 Jackel Color yellow Type of Certificate clPus Amount stranding 1 Stranding 5 wires around Core filler twisted Stranding 5 wires around Core filler twisted Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blus, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 TC Alla leweight 14 JB gim Malerial jackel PUR Store hardness jacket 90 s 5 Shore A Freedom from ingredients (galekti) 25 % Material wire insulation 7 PP Amount wires 6 Duter diameter (galekti) 4.8 mm Tolaranco outer diameter (galekti) 25 % Material wire insulation PP Amount wires 5 Duter diameter insulation PP Amount wires 5 Duter diameter insulation PP Amount wires 6 Duter diameter insulation 70 ± 5 Shore D Ingredient foreness wire insulation 70 ± 5 Shore D Ingredient  | Conformity                               |  |
|--|--|--|
| Cable Identification         035           Cable Type         3           Lapsed Color         yellow           Type of Certificate         CURUS           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green yellow           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigh         41.8 g/m           Material jacket         PUR           Freedom from ingediants (jacket)         90.5 Shore A           Shore handness jacket         90.5 Shore A           Freedom from ingediants (jacket)         48 mm           Outer diameter (jacket)         4.8 mm           Tolerance outer diameter (shealth)         2.5 %           Material wire insulation         1.25 mm           Outer diameter following in insulation         1.25 %  | Product standard                         | DIN EN 61076-2-101 (M12)                                       |
| Cable Identification         035           Cable Type         3           Lapsed Color         yellow           Type of Certificate         CURUS           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green yellow           No. of bending cycles (C-track)         10 Mio. @ 25 °C           Cable weigh         41.8 g/m           Material jacket         PUR           Freedom from ingediants (jacket)         90.5 Shore A           Shore handness jacket         90.5 Shore A           Freedom from ingediants (jacket)         48 mm           Outer diameter (jacket)         4.8 mm           Tolerance outer diameter (shealth)         2.5 %           Material wire insulation         1.25 mm           Outer diameter following in insulation         1.25 %  | Installation   Cable                     |  |
| Cable Type         3           Jackel Color         yellow           Yope of Certificate         UPs           Annount Stranding         1           Stranding         5 wise around Core filler twisted           Filter         yes           wire a rangement         brown, black, blue, write, green-yellow           No. of bending cysides (C-track)         10 Mio. 62 St Gr           Cable weigth         41.8 g/m           Material placket         PUR           Shore hardiness jacket         PUR           Finedom from ingredionts (jacket)         80.5 Shore A           Finedom from ingredionts (jacket)         48.8 mm           Tolerance outer diameter (sheath)         2.5 %           Material kive insulation         PP           Amount wires         5           Outer diameter (sheath)         2.5 %           Shore hardiness wire insulation         1.25 mm           Outer diameter insulation         2.5 %           Annount strands (vier)         42           Diameter of single wires         0,1 mm           Conductor rossesction (vier)         0,24 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         3 strand class 6   |  | 005  |
| Jacket Color Type of Corflicate URus Amount stranding 1 Stranding 5 wires around Core filter twisted Filter yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Goodbie weight 41 8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 190 ± 5 Shore A Freedom from flygredients (jacket) Outer diameter (slacket) 10 Les Amount wires 15 % Material wire insulation PP Amount wires 15 % Material wire insulation 12.55 mm Outer diameter insulation 12.55 mm Outer diameter sine strands (wire) 10 Jack free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires 15 % Material wire insulation 12.55 mm Outer diameter insulation 12.55 mm Outer diameter insulation 12.55 mm Outer diameter sine silication 12.55 mm Outer diameter silication 12. |  |  |
| Type of Certificate cURs Amount stranding 1 Swires around Core filler twisted Filler yes Wrie arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cambium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,8 mm Tolerance outer diameter (sheath) ± 5 %. Material vin insulation PP Amount wries 5 Culter diameter insulation PP Amount wries 5 Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wrie insulation 70 ± 5 Shore D Ingredient freeness wrie insulation 70 ± 5 Shore D Ingredient freeness wrie insulation 70 ± 5 Shore D Conductor crosssection (wire) 0,34 mm² Material own crosssection (wire) 0,34 mm² Material onductor we Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Conductor by (wire) stranded capper wire, bare Conductor wire Stranded copper wire, bare Conductor by (wire) stranded capper wire, bare Conductor provided to the conductor wire stranded capper wire, bare Conductor provided to the conductor wire stranded capper wire, bare Conductor provided to the conductor wire stranded capper wire, bare Conductor provided to the conductor wire strand |  |  |
| Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mio. @ 25 °C Gable weight 41.8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (acket) 4.8 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameters were insulation 1,25 mm Outer diameters were insulation 1,25 mm Outer diameter of single wires 0,1 mm Gonductor crossess were insulation 1,26 mm Outer diameter of single wires 0,1 mm Gonductor crossescotion (wire) 42 Diameter of single wires 0,1 mm Gonductor crossescotion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 10 mo 25 °C   horizontal 10  |  | ·  |
| Stranding 5 wires around Core filter twisted Filter yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mio. @ 25 °C Gable weight 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket)   90 ± 5 Shore A Gable weight   4,8 g/m  Tolerance outer diameter (sheath)   ± 5 % Material wire insulation   PP  Amount wires 5 Outer diameter insulation   PP  Amount wires 5 Outer diameter insulation   1,25 mm  Outer diameter insulation   70 ± 5 Shore D Ingredient freeness wire insulation   70 ± 5 Shore D Ingredient freeness wire insulation   70 ± 5 Shore D Ingredient freeness wire insulation   42 Diameter of ship wires   43 Diameter of ship wires   44 Diameter of ship wires   44 Diameter of ship wires   45 Diameter of ship wires    |  |  |
| Filler yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mo. @ 25 °C Cable weigh 41.8 g/m Material jacker PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket Pus dead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outler-diameter (jacket) 10 Mo. @ 25 °C Cable weigh 41.8 g/m Material jacker PUR Shore hardness jacket Pur Shore hardness jacket Preedom from ingredients (jacket) 10 Jean-free, CFC-free, halogen-free, silicone-free Outler-diameter (seath) 10 Jean-free Amount wires 15 S 10 Jean-free Conducter diameter insulation PP Amount wires 15 S 16 Jean-free Conducter diameter insulation 12.5 mm Outler diameter (seen) 12.5 mm Outler diam |  |  |
| wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 10 Mio. @ 25 °C Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket Freedom from ingrodients (jacket) 1,8 mm Tolerance outer diameter (jacket) 4,8 mm Tolerance outer diameter insulation PP Amount wires 5 Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,26 mm Outer diameter insulation 1,27 mm Outer diameter insulation 1,28 mm Outer diameter out  |  |  |
| No. of bending cycles (C-track)  Cable weight  41,8 g/m  Material jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  Louter-diameter (jacket)  4,8 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PP  Amount wires  5  Outer diameter insulation  1,25 mm  Outer  | Filler                                   | •  |
| Cable weight         41,8 g/m           Material jacket         PUR           Freedom from ingredients (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 (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor reassection (wire)         4,3 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VIE C298 4<   | wire arrangement                         |  |
| Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedon 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 insulation         1.25 mm           Outer diameter rolerance core insulation         2.5 %           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 silipade wires         0,1 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           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           Nominal voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (stack)         40 °C <td>No. of bending cycles (C-track)</td> <td>10 Mio. @ 25 °C</td>   | No. of bending cycles (C-track)          | 10 Mio. @ 25 °C  |
| 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 (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wive         Straded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         10 pil VDE 0288-4           Current load capacity (standard)         10 pil VDE 0288-4           Current load capacity wini. wire   | Cable weigth                             | 41,8 g/m   |
| 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 insulation         1,25 mm           Unter diameter tolerance core insulation         2.5 %           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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power (A max.         300 V           Power frequency withstand voltage power (wire - wire)         2.5 kV @ 60 s           AC withstand voltage   | Material jacket                          | PUR  |
| Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           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         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor or sessection (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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ωkm @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (min. (dynamic)         -25 °C   00000 h Operation <td>Shore hardness jacket</td> <td>90 ± 5 Shore A</td>   | Shore hardness jacket                    | 90 ± 5 Shore A   |
| Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter lolerance core insulation 2 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1 8ed-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  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km ⊕ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 2,5 kV ⊕ 60 s  Min. operating temperature (fixed) 80 °C / 90 °C ⊕ 10000 h Operation  Operating temperature (static) - 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C ⊕ 10000 h Operation  Flame resistance Good, application-related testing  Coll resistance DIN EN 68011-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Toxion speed 55 cycles/min  | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         10 ± 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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min, wire         4.5 A           Electrical resistance line constant wire         50 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Operating temperature (ixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (max. (dynamic) <td< td=""><td>Outer-diameter (jacket)</td><td>4,8 mm</td></td<>   | Outer-diameter (jacket)                  | 4,8 mm   |
| Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter lolerance 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-rack)         10 m @ 25 °C   horizontal           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Plame resistance         UL 1581 § 1100 FT2 [1EC 60332-2-2   UL 1581 § 1090  | Tolerance outer diameter (sheath)        | ± 5 %  |
| Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %.           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vive         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         4,5 A           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (mixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related tes   | 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           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           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. 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  | 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 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           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           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (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 max. (dynamic)         2.5 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1990           chemical resistance         Good,   | Outer diameter insulation                | 1,25 mm  |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor 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  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  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 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 DIN EN 60811-404   Good, application-related testing  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 2 kin.  Torsion speed 35 cycles/min  | 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           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           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (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 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         DIN EN 60811-404   Good, application-related  | Shore hardness wire insulation           | 70 ± 5 Shore D   |
| Diameter of single wires  0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  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  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 4,5 kV @ 60 s  AC withstand voltage power (wire - wire) 4,5 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 Dil resistance Dil resistance Dil Resistance Dil S Kouter diameter  Bending radius (fixed) 5 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Ingredient freeness wire insulation      | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  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  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Amount strands (wire)                    | 42   |
| Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  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  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Diameter of single wires                 | 0,1 mm   |
| Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         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         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (wire - wire)       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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  | Conductor crosssection (wire)            | 0,34 mm <sup>2</sup>   |
| Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         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         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (wire - wire)       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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  | Material conductor wire                  | Stranded copper wire, bare                                     |
| Traversing distance (C-track)  10 m @ 25 °C   horizontal  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  Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - wire)  | Conductor type (wire)                    |  |
| 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         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (wire - wire)       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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min   |  | 10 m @ 25 °C   horizontal                                      |
| Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - gacket)       2,5 kV @ 60 s         AC withstand voltage power (wire - wire)       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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min  |  |  |
| Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - jacket) 2.5 kV @ 60 s  AC withstand voltage power (wire - wire) 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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion speed 35 cycles/min  |  |  |
| Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2,5 kV @ 60 s  AC withstand voltage power (wire - wire)  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  35 cycles/min  |  | ·  |
| Power frequency withstand voltage power (wire - yacket)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire wire)  AC withstand voltage power (wire)  AC with and woltage power (wire)  AC with an accurate voltage and woll and wol |  |  |
| (wire - jacket)  AC withstand voltage power (wire - wire)  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  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  |  | 000 V  |
| Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  |  | 2,5 kV @ 60 s  |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature min. (dynamic)  Operation  O | AC withstand voltage power (wire - wire) | 2,5 kV @ 60 s  |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) 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 Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed  35 cycles/min  | Min. operating temperature (static)      | -40 °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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Max. operating temperature (fixed)       | 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 DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Operating temperature min. (dynamic)     | -25 °C   |
| 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min  | Operating temperature max. (dynamic)     | 80 °C / 90 °C @ 10000 h Operation                              |
| 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 No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min  | Flame resistance                         | UL 1581 § 1100 FT2   IEC 60332-2-2   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  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | chemical resistance                      | Good, application-related testing                              |
| Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Gasoline resistance                      | Good, application-related testing                              |
| Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min   | Oil resistance                           | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Bending radius (fixed)                   |  |
| No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min  | Bending radius (dynamic)                 |  |
| Torsion speed 35 cycles/min  |  |  |
| ·  | ·  |  |
| T 100 /00  | Torsion stress                           | ± 180 °/m  |