

#### M12 female 0° A-cod. with cable

PUR 4x0.34 ye UL/CSA 1.5m

## **⚠ NOTICE ⚠** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female straight

M12, 4-pole

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

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

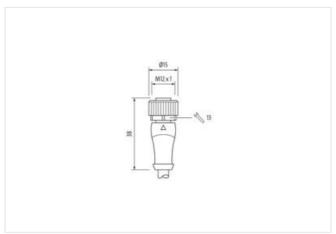
Further cable lengths on request.

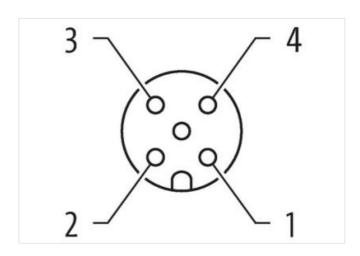
### **Link to Product**

#### Illustration









Product may differ from Image













Cable length

1,5 m



stay connected

| Tightening torque   | 0,6 Nm                                |
|---|---------------------------------------|
|   | · · · · · · · · · · · · · · · · · · · |
| Mounting method  Family construction form                         | inserted, screwed M12                 |
| Thread  | M12 x 1                               |
| suitable for corrugated tube (internal Ø)                         | 10 mm                                 |
| Coding  | A                                     |
| Material  | PUR                                   |
| Width across flats  | SW13                                  |
| Degree of protection (EN IEC 60529)                               | IP65, IP66K, IP67                     |
| Commercial data   |                                       |
|   | 07070010                              |
| ECLASS-6.0  | 27279218                              |
| ECLASS-6.1<br>ECLASS-7.0  | 27279218                              |
| ECLASS-7.0<br>ECLASS-8.0  | 27279218<br>27279218                  |
| ECLASS-8.0<br>ECLASS-9.0  | 27060311                              |
| ECLASS-9.0<br>ECLASS-10.1   | 27060311                              |
| ECLASS-10.1<br>ECLASS-11.1  | 27060311                              |
| ECLASS-12.0   | 27060311                              |
| ETIM-5.0  | EC001855                              |
| customs tariff number   | 85444290                              |
| GTIN  | 4048879213240                         |
| Packaging unit  | 1                                     |
| Electrical data   Supply  |                                       |
|   | OFF W                                 |
| Operating voltage AC max.   | 250 V                                 |
| Operating voltage DC max.   | 250 V                                 |
| Operating voltage AC (UL-listed) Operating voltage DC (UL-listed) | 30 V<br>30 V                          |
| Current operating per contact max.                                | 4 A                                   |
|   | 4 A                                   |
| Installation   Connection   |                                       |
| Mounting set  | M12 x 1                               |
| Device protection   Electrical                                    |                                       |
| Additional condition protection degree                            | inserted, screwed                     |
| Pollution Degree  | 3                                     |
| Rated surge voltage   | 2,5 kV                                |
| Material group (IEC 60664-1)                                      | I                                     |
| Mechanical data   Material data                                   |                                       |
| Coating locking   | Nickeled                              |
| Coating of fitting  | nickel plated                         |
| Locking material  | Zinc die-casting                      |
| Material screw connection   | Zinc die-casting                      |
| Mechanical data   Mounting data                                   |                                       |
| Mounting method   | inserted, screwed, Shaking protection |
|   | <del>-</del>                          |
| Environmental characteristics   Climatic                          |                                       |
| Operating temperature min.  | -25 °C                                |
| Operating temperature max.  | 85 °C                                 |
| Additional condition temperature range                            | depending on cable quality            |
| Conformity  |                                       |
| Product standard  | DIN EN 61076-2-101 (M12)              |



# stay connected

| Jacket Color   | Cable identification                                    | 024  |
|--|---|--|
| Type of Certificate         cURIus           Amount stranding         1           Stranding         4 wire stwisted           wire arrangement         brown, black, blue, white           Cable weight         42,68 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         4,6 mm           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (jacket)         5 %           Amount wires         4           Outer diameter (jacket)         1,5 mm           Outer diameter (jacket)         1,5 mm           Outer diameter (jacket)         4,5 mm           Outer diameter (jacket)         4,3 ± 5 Shore D           Material properties wire insulation         1,25 mm           Ingredient freenses wire insulation         1,26 mm  | Cable Type  | 2  |
| Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigth         42,68 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4 6 mm           Tolerance under diameter (sheath)         5 %           Material wire insulation         PVC           Annount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Material properties wire insulation         32 5 Shore b           Shore hardness wire insulation         33 5 Shore b           Martinal properties wire insulation         32 1 Shore b           Impression of the senses wire insulation         1,25 mm           Ingredient treeness wire insulation         1,25 mm           Ingredient treeness wire insulation         1,21 mm           Conductor type (wire)         32 mm           Diameter of single wires         0,1 mm           Conductor rosseeding (wire)         0,1 mm           Material conductor wire         5 mm 2 5  | Jacket Color  | yellow   |
| Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         42,88 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         1 lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (jacket)         4,6 mm           Amount wires         4           Outer diameter insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         43 ± 5 Shore D           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         1,1 mm           Conductor recessories wire insulation         1 lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor or crossection (wire)         34 mm²           Material productor wire         Stranded copper wire, bare           Conductor type (wire)         5 mm² 25 °C, horizontal   | Type of Certificate                                     | cURus  |
| wire arrangement brown, black, blue, white Cable weight 42,68 g/m  | Amount stranding  | 1  |
| Cable weight         42,68 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Annount wires         4           Outer diameter tolerance core insulation         1,25 mm           Outer diameter insulation         42 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         10 mm           Impedient reseas wire insulation         90 domachinability           Impedient reseass wire insulation         90 domachinability           Impedient reseass wire insulation         10 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor or Sessection (wire)         0,34 mm²           Material conductor virie         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)   | Stranding   | 4 wires twisted                                      |
| Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from Ingredients (jacket)         4,6 mm           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         43 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (-C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VE 0288-4           Current load capacity (standard)         to DIN VE 0288-4           Current load capacity (standard)         to DIN VE 0280-0           Nominal voltage power (AC max.  | wire arrangement  | brown, black, blue, white                            |
| Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor strands (wire)         32           Diameter of single wires         0,1 mm           Conductor type (wire)         Stranded copper wire, bare           Conductor type (wire)         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C (Indizontal)           Current load capacity (standard)         to DIN VDE 0298-4           Current load capac  | Cable weigth  | 42,68 g/m  |
| Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter lorlarance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         3,6 m           Electrical resistance line constant wire         57 °Dkm @ 20 °C           Nominal voltage power AC max.         300 V <td>Material jacket</td> <td>PUR</td>  | Material jacket   | PUR  |
| Outer-diameter (acket)         4,6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor orssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded cape type (wire)           Stranded cape (wire)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         57 Ωkm @ 20 °C           Nomi   | Shore hardness jacket                                   | 85 ± 5 Shore A                                       |
| Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 32  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) 5 m @ 25 °C   horizontal  Current load capacity min. wire 3.6 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 kV @ 60 s  AC withstand voltage power (wire) 30 °C  Max. operating temperature (static) -30 °C  Max. operating temperature max. (dynamic) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature (static) -30 °C  Max. operating temperature (static) -30 °C  Max. operating temperature max. (dynamic) -5 °C  Operati  | Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, silicone-free     |
| Material wire insulation         PVC           Amount wires         4           Outer dameter insulation         1,25 mm           Outer dameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good anchinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount stands (wire)         32           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)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win, wire         3,6 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 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Poperating temperature min. (dynamic)         -5 °C <tr< td=""><td>Outer-diameter (jacket)</td><td>4,6 mm</td></tr<>  | Outer-diameter (jacket)                                 | 4,6 mm   |
| Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           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)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         3.6 A           Electrical resistance (Incordant wire         57 O/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         -5 °C           Operating temperature max. (dynamic)         -5 °C   | Tolerance outer diameter (sheath)                       | ± 5 %  |
| Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 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 wini, wire         3,6 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 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic) </td <td>Material wire insulation</td> <td>PVC</td>   | Material wire insulation                                | PVC  |
| Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           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)         5 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         3,6 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 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (static)         30 °C           Operating temperature (min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         80 °C           Flame resistance <td>Amount wires</td> <td>4</td>   | Amount wires  | 4  |
| Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Operating temperature (mixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature min. (dynamic)         -6 °C           Operating temperature max. (   | Outer diameter insulation                               | 1,25 mm  |
| Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         32           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)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing  | Outer diameter tolerance core insulation                | ± 5 %  |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Amount strands (wire) 32  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) 5 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 3.6 A  Electrical resistance line constant wire 57 C/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - iaxket) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature (static) -30 °C  Operating temperature min. (dynamic) 5° °C  Operating temperature max. (dynamic) 80 °C  Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance  No. of bending cycles (C-track) 2 Mio. Q25 °C  Bending radius (fixed) 10 x Outer diameter   | Shore hardness wire insulation                          | 43 ± 5 Shore D                                       |
| Amount strands (wire)         32           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)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Bending radius  | Material properties wire insulation                     | good machinability                                   |
| Amount strands (wire)         32           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)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (static)         -30 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Bending radius  | Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, silicone-free     |
| Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (ixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Chemical resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing   DIN EN 60811-404           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Bending radius (fixed)         10 x Outer diameter  | Amount strands (wire)                                   |  |
| Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3,6 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 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -30 °C           Max. operating temperature (ixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         80 °C           Chemical resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gil resistance         Good, application-related testing   DIN EN 60811-404           No. of bending cycles (C-track)         2 Mio. @ 25 °C           Bending radius (fixed)         10 x Outer diameter  | Diameter of single wires                                | 0,1 mm   |
| Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 3,6 A  Electrical resistance line constant wire 57 \( \Omega \text{tm} \) @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -30 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  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 Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Bending radius (fixed) 10 x Outer diameter  |   | 0.34 mm <sup>2</sup>                                 |
| Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 3,6 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 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  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 Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Bending radius (fixed) 10 x Outer diameter  | Material conductor wire                                 | Stranded copper wire, bare                           |
| Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 3,6 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 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  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 Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Bending radius (fixed) 10 x Outer diameter  | Conductor type (wire)                                   |  |
| Current load capacity min. wire       3,6 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 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -30 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       80 °C         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       Good, application-related testing   DIN EN 60811-404         No. of bending cycles (C-track)       2 Mio. @ 25 °C         Bending radius (fixed)       10 x Outer diameter   | Traversing distance (C-track)                           | 5 m @ 25 °C   horizontal                             |
| Electrical resistance line constant wire 57 \( \Omega / \text{km} \) 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 2 kV \( \text{ 60 s} \)  AC withstand voltage power (wire - wire) 2 kV \( \text{ 60 s} \)  Min. operating temperature (static) -30 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 \( \xi \) 1090   UL 1581 \( \xi \) 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. \( \text{ 025 °C} \)  Bending radius (fixed) 10 x Outer diameter   | Current load capacity (standard)                        | to DIN VDE 0298-4                                    |
| Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - jacket)   | Current load capacity min. wire                         | 3,6 A  |
| Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  AC withstand voltage power (with a wire)  AC with and with a wire wit | Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                      |
| (wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  AS °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  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  Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Bending radius (fixed)  10 x Outer diameter  | Nominal voltage power AC max.                           | 300 V  |
| Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Oul. 1581 § 1090   UL. 1581 § 1100 FT2   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Bending radius (fixed)  10 x Outer diameter  | Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s  |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  80 °C  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  Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track)  2 Mio. @ 25 °C  Bending radius (fixed)  10 x Outer diameter  | AC withstand voltage power (wire - wire)                | 2 kV @ 60 s  |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C 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 Good, application-related testing   DIN EN 60811-404 No. of bending cycles (C-track) 2 Mio. @ 25 °C Bending radius (fixed) 10 x Outer diameter   | Min. operating temperature (static)                     | -30 °C   |
| Operating temperature max. (dynamic) 80 °C  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 Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Bending radius (fixed) 10 x Outer diameter  | Max. operating temperature (fixed)                      | 80 °C  |
| 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 Good, application-related testing   DIN EN 60811-404 No. of bending cycles (C-track) 2 Mio. @ 25 °C Bending radius (fixed) 10 x Outer diameter   | Operating temperature min. (dynamic)                    | -5 °C  |
| chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 No. of bending cycles (C-track) 2 Mio. @ 25 °C Bending radius (fixed) 10 x Outer diameter  | Operating temperature max. (dynamic)                    | 80 °C  |
| Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 No. of bending cycles (C-track) 2 Mio. @ 25 °C Bending radius (fixed) 10 x Outer diameter  | Flame resistance  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| Oil resistance Good, application-related testing   DIN EN 60811-404  No. of bending cycles (C-track) 2 Mio. @ 25 °C  Bending radius (fixed) 10 x Outer diameter  | chemical resistance                                     | Good, application-related testing                    |
| No. of bending cycles (C-track)  2 Mio. @ 25 °C  Bending radius (fixed)  10 x Outer diameter   | Gasoline resistance                                     | Good, application-related testing                    |
| Bending radius (fixed) 10 x Outer diameter   | Oil resistance  | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed) 10 x Outer diameter   | No. of bending cycles (C-track)                         | 2 Mio. @ 25 °C                                       |
| Bending radius (dynamic) 15 x Outer diameter   |   | 10 x Outer diameter                                  |
|  | Bending radius (dynamic)                                | 15 x Outer diameter                                  |