

## M12 male 0° A-cod. with cable shielded

PUR 5x0.34 shielded gy 3m

Male straight M12, 5-pole shielded

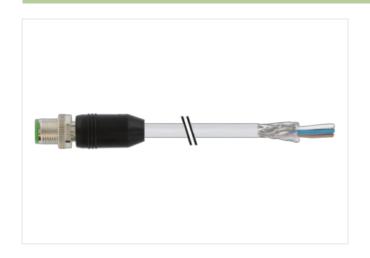
with cable sleeves

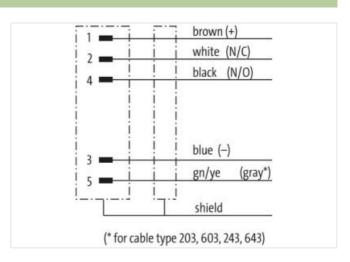
Plastic housings with good resistance against chemicals and oils.

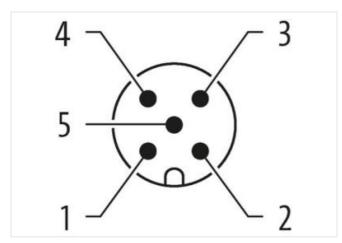
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

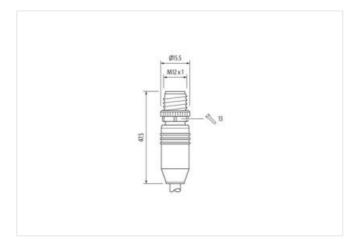
## **Link to Product**

## Illustration









Product may differ from Image









Cable length

3 m

Side 1

Tightening torque

0,6 Nm



| S | tay | / co | nn | ecte | d |
|---|-----|------|----|------|---|
|   |     |      |    |      |   |
|   |     |      |    |      |   |

| Mounting method   | inserted, screwed                            |
|---|--|
| Coating contact   | gold plated                                  |
| Family construction form                                | M12  |
| Thread  | M12 x 1                                      |
| Coding  | A  |
| Material contact  | Copper alloy                                 |
| Material  | PUR  |
| No. of poles  | 5  |
| Width across flats                                      | SW13   |
| Degree of protection (EN IEC 60529)                     | IP65, IP66K, IP67                            |
| Side 2  |  |
| Stripping length (jacket)                               | 20 mm  |
| Coating contact   | gold plated                                  |
| 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  | 4048879201032                                |
| Packaging unit  | 1  |
| Electrical data   Supply                                |  |
| Operating voltage AC max.                               | 60 V   |
| Operating voltage DC max.                               | 60 V   |
| Current operating per contact max.                      | 4 A  |
| Diagnostics   |  |
| Status indication LED                                   | no   |
| Installation   Connection                               |  |
| Stripping length (jacket)                               | 20 mm  |
| Mounting set  | M12 x 1                                      |
| Device protection   Electrical                          |  |
| •   | inserted earning                             |
| Additional condition protection degree Pollution Degree | inserted, screwed 3                          |
| Rated surge voltage                                     | 1,5 kV                                       |
| Material group (IEC 60664-1)                            | i,o kt                                       |
| Mechanical data   |  |
| Contour for corrugated hose                             | without                                      |
| Mechanical data   Material data                         | ····   |
| Coating locking   | Nickeled                                     |
| Coating of fitting                                      | nickel plated                                |
| Locking material  | Zinc die-casting                             |
| Material screw connection                               | Zinc die-casting  Zinc die-casting           |
|   |  |
| Mechanical data   Mounting data                         |  |
| Mechanical data   Mounting data                         | incorted corowed Shaking protection          |
| Mounting method   | inserted, screwed, Shaking protection        |
|   | inserted, screwed, Shaking protection -25 °C |



stay connected

| Conformity         Conformity           Product standard         DIN EN 61076-2-101 (M12)           Installation   Cable  | Operating temperature max.               | 85 °C  |
|---|--|--|
| Installation   Cabbe  | Additional condition temperature range   | depending on cable quality                           |
| Installation   Cabbe  | Conformity                               |  |
| Label entification   349   Jacket Coffer   9ray   Amount stranding   1   Stranding   5   wires around Core filter twisted   Cable shelding (type)   copper braid, finned   Cable shelding (type)   85 %   Stranding   Fleece, Foil   Filter   yes   wire arrangement   brown, black, blue, white, green-yellow   No. of bendring cycles (C-track)   0,1 Mo. @25 °C   Cable weight   Say 4 gm   Material glockel   FUR   Sthere hardness jackel   FUR   Sthere hardness jackel   85 ± 5 Shore A   Following distriction   1 ± 5 %   Material problem   1 ± 5 %   Material problem   2 ±                             |  | DIN FN 61076-2-101 (M12)                             |
| Cable identification 349  Jacket Color gray  Amount standing 1  Stranding 5 wires around Core filter twisled  Cable shielding (type) copper braid, finned  Cable shielding (type) 86 %  Cable shielding (twerape) 87 %  Banding Fleece, Foll  Filter yes  We arrangement brown, black, Diue, white, green-yellow  No. or bending cycles (C-track) 0, 1 Mio. @ 25 °C  Cable weight 59,4 gm  Material jacket PUR  Shore hardness jacket PUR  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free  Outer diameter (jacket) 5,8 mm  Tolerance outer diameter (sheath) 45 %  Material inner/ jacket PVC  Color (inner jacket) 97 VC  Color (inner jacket) 97 VC  Material inner/ jacket 97 VC  Amount wires 5 5  Material inner/ jacket 97 VC  Material wire insulation 97 VC  Material wire insulation 97 VC  Material wire insulation 98 5 5 Shore A  Material wire insulation 1,45 mm  Outer diameter televance cover insulation 1,45 mm  Outer diameter televance cover insulation 1,55 mm  Outer diameter televance cover insulation 1,55 mm  Material properties wire insulation 1,50 mm  Material properties                             |  | 514 214 01070 2 101 (W12)                            |
| Jacket Color gray Amount stranding 1 Swires stround Core filler twisted Cable shelding (type) Capte shelding (powerage) 85 % Banding Fleece, Foll Filler yes Banding Fleece, Foll Filler yes Capte shelding (coverage) 85 % Banding Fleece, Foll Filler yes Capte with the shelding (powerage) 85 % Banding Fleece, Foll Filler yes Capte weight Solor handing cycles (C teack) O.1 Mo. @ 25 °C Capte weight Solor handiness jacket PUR Since handiness jacket PUR Glore fleeder fleeces Solor                            | ·  |  |
| Amount stranding 1 Stranding 5 were around Core filler twisted Cable shielding (type) copper braid, funed Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes Banding Fleece, Foil Filler yes Wire arrangement brown, black, blue, white, green yellow No, of bending cycles (C track) No, of bending cycles (C track) No, of bending cycles (C track) Shore hardness jacket PUR Shore hardness jacket Shore A Freedom from ingredients (jacket) Cluef cidiameter (jacket) Tolerance outler diameter (jacket) Defer diameter (jacket) Tolerance outler diameter (jacket) Tolerance outler diameter (jacket) PVC Coord (inner jacket) PVC PVC Coord (inner jacket) PVC Coord (inner jacket) PVC Coord (inner jacket) PVC   | Cable identification                     | 349  |
| Stranding 5 wires around Core filler twisted Gable shielding (ype) cooper brad, finned Gable shielding (ycware) 88 % Banding Fibece, Foll Filler yes wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 0, 1 Mio. @ 25 °C Gable weight 95, 9 m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 95, 9 mm Toleranden from ignoridins (jacket) 15, 9 mm Toleranden from ignoridins (jacket) 5, 9 mm Tolerande outer diameter (sheath) ± 5 % Material inner jacket PVC Golor (inner jacket) 970 Material inner jacket PVC Golor (inner jacket) 970 Material wire insulation 970 Material wire insulation 970 Material wire insulation 970 Material wire insulation 970 Color diameter of colorance core insulation 1,455 mm Outer diameter of colorance core insulation 10 good machinability Ingredient frenesses wire insulation 10 good machinability Ingre                            |  |  |
| Cable shielding (type) copper braid, timed  Sable shielding (coverage) 85 %  Barding Flieor yes  Weie arrangement brown, black, blue, white, green-yellow  No. of bending cycles (C-track) 0, 1 Mo. @ 25 °C  Cable weigh 59, 4 gm  Marterial jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 95 %  Marterial marker (gocker) 5,5 mm  Tolerance outer diameter (skeath) 45 %  Marterial marker invited in the standard or the standard value of the cadmium free, CFC-free, halogen-free  Color (inner jacket) 97 mm  Tolerance outer diameter (skeath) 97 mm  Tolerance outer diameter (skeath) 97 mm  Tolerance surfer share 197 mm  Tolerance 197 mm  Toler                            | Amount stranding                         | 1  |
| Cable shielding (coverage)         85 %           Barding         Fleece, Foil           Filter         yes           wise arrangement         brown, black, blue, white, green-yellow           No. of bending cycles (C-track)         0,1 Mio. Ø 25 °C           Cable weigth         59.4 g/m           Malariral jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheat)         2 5 %           Material inner jacket         PVC           Color (inner jacket)         9 VC           Outer diameter insulation         PVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter insulation         2 5 %           Material properties were insulation         35 ± 5 Shore A           Material properties were insulation         1,45 mm           Outer diameter risulation         2 5 %           Shore hardness were insulation         35 ± 5 Shore A           Ingredient freeness wire insulation         25 ± 5 Shore A           Shore A         5 Tolerange wire sold in the second in the   | Stranding                                |  |
| Banding Fleece, Foli Filter yes wise arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 0.1 Mio. @ 25 °C Cable weight 59,4 g/m Material jacket PUR Shore hardness jacket 85 £ Shore A Freedom from ingredients (jacket) 0.0ter-diameter (jacket) 0.0ter-diameter (jacket) 0.0ter diameter (sacket) 0.0ter diameter (hardnes) 0.0ter diameter insulation 0.0ter diameter insulation 0.0ter diameter (berance core insulation 0.0ter diameter tolerance core insulation 0.0ter diameter tolerance core insulation 0.0ter diameter tolerance swire insulation 0.0ter diameter tolerance swire insulation 0.0ter diameter tolerance swire insulation 0.0ter diameter tolerance core insulation 0.0ter diameter tolerance swire insulation 0.0ter diameter tolerance core insulation 0.0ter diameter tolerance core insulation 0.0ter diameter tolerance swire insulation 0.0ter diameter tolerance diameter diamet                            | Cable shielding (type)                   | copper braid, tinned                                 |
| Filler  | Cable shielding (coverage)               | 85 %   |
| wire arrangement brown, black, blue, while, green-yellow No. of bending cycles (C-track) O. 1 Mio. @ 25 °C Cable weight Material jacket PUR Material jacket PUR Shore hardness jacket Freedom from Ingredients (jacket) Sp. 9 mm Tolerance outer diameter (jacket) Sp. 9 mm Tolerance outer diameter (jacket) Color (inner jacket) PVC Color (inner jacket) Griener jacket) PVC Color (inner jacket) Sp. 9 mm Tolurance outer diameter (jacket) PVC Color (inner jacket) PVC Color (inner jacket) PVC Color (inner jacket) Sp. 9 mm  Duter diameter insulation PVC Amount wires insulation PVC Amount wires insulation 1,45 mm Outer diameter insulation Share hardness wire insulation Share hardness wire insulation B\$ 5.5 Shore A Material properties wire insulation B\$ 5.5 Shore A Material properties wire insulation B\$ 5.5 Shore A Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Material properties wire insulation B\$ 6.5 Shore A  Mat | Banding                                  | Fleece, Foil   |
| No. of bending cycles (C-track) 0,1 Mio. @ 25 °C Gable weight 59,4 g/m  Material jacket PUR  Shore hardness jacket 85 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free  Outer-diameter (jacket) 5,9 mm  Tolerance outer diameter (sheath) ± 5 %  Material innor jacket PVC  Color (inner jacket) gray  Material wire insulation PVC  Amount wires 5  Outer diameter insulation 1,45 mm  Outer diamete                             | Filler                                   | yes  |
| Cable weight         59.4 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5.9 mm           Toferance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (mer jacket)         gray           Material wire insulation         PVC           Material wire insulation         FVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         85 ±  | wire arrangement                         | brown, black, blue, white, green-yellow              |
| Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter blerance core insulation         85 ± 5 Shore A           Material properties wire insulation         95 ± 5 Shore A           Material properties wire insulation         90 dmachinability           Ingredient freeness wire insulation         90 dmachinability           Ingredient freeness wire insulation         164 free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor type (wire)         strand copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity (min. wire)         4,5 A           Electrical resistance line constant wire   | No. of bending cycles (C-track)          | 0,1 Mio. @ 25 °C                                     |
| Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         6ad-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter insulation         85 ± 5 Shore A           Material properties wire insulation         85 ± 5 Shore A           Material properties wire insulation         gead-free, cadmium-free, CFC-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)         stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity rism. wire         4,5 A           Electrical resistance line constant wire         5 Ω/km @ 20 °C           Max. rated voltage power (conductor - ground)         350 V           AC withstand voltage power   | Cable weigth                             | 59,4 g/m   |
| Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter tolerance core insulation         1,45 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         42           Diameter of slight wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material properties wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         42           Diameter of slight wires         0,1 mm           Conductor tyreacy (wire)         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C           Current load capacity rim; wire         4.5 A           Electrical resistance line   | Material jacket                          | PUR  |
| Outer-diameter (jacket)         5,9 mm           Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Armount wires         5           Outer diameter insulation         ± 5 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           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)         42           Diameter of single wires         0,1 mm           Conductor rossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 5° C           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           Bectrical resistance line constant wire         5   | Shore hardness jacket                    | 85 ± 5 Shore A                                       |
| Tolerance outer diameter (sheath)         ± 5 %           Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         4,5 A           Electrical resistance line constant wire         57 Okm @ 20 °C           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (wire - shield)         1,5 kV @ 60 s           AC withstand voltage power (wire - wire)  | Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, halogen-free      |
| Material inner jacket         PVC           Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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)         5 m @ 25 °C           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         4,5 A           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (conductor - ground)         300 V           AC withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         1,5 kV @ 60 s           AC wi  | Outer-diameter (jacket)                  | 5,9 mm   |
| Color (inner jacket)         gray           Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1.45 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         god machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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)         5 m @ 25 °C           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Max. rated voltage power (conductor - ground)         350 V           AC withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C </td <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>  | Tolerance outer diameter (sheath)        | ±5%  |
| Material wire insulation         PVC           Amount wires         5           Outer diameter insulation         1,45 mm           Outer diameter tolerance core 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)         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)         5 m @ 25 °C           Current load capacity (standard)         to DIN VDE 298-4           Current load capacity (standard)         to DIN VDE 298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         1,5 kV @ 60 s           AC withstand voltage power (wire (static)  | Material inner jacket                    | PVC  |
| Amount wires 5 Outer diameter insulation 1,45 mm Outer diameter lolerance core insulation 5 % Shore hardness wire insulation 85 ± 5 Shore A Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (conductor - store) 300 V Max. rated voltage power (conductor - store) 350 V AC withstand voltage power (conductor - sheld) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Max. operating temperature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance (Fiscal conductor related testing Gasoline resistance (Gaod, application-related testing Gasoline resistance (Good, application-related testing  | Color (inner jacket)                     | gray   |
| Outer diameter insulation         1,45 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor orsssection (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           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         4,5 A           Electrical resistance line constant wire         350 V           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         1,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating  | Material wire insulation                 | PVC  |
| Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         85 ± 5 Shore A           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-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)         5 m @ 25 °C           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           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (conductor - ground)         350 V           AC withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Flame resi  | Amount wires                             | 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) 42 Diameter of single wires 0,1 mm Conductor rosssection (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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 \( \Omega \text{Lm} \) @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 350 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing  | Outer diameter insulation                | 1,45 mm  |
| Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 \( \overline{DMR} \) @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 5 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance  | Outer diameter tolerance core insulation | ±5%  |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-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) 5 m @ 25 °C 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 Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing  | Shore hardness wire insulation           | 85 ± 5 Shore A                                       |
| 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) 5 m @ 25 °C Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 \( \Omega \text{km} \) @ 00 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 4,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 4,6 % @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 5 °C Operating temperature max. (dynamic) 1,5 c ood, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance  | Material properties wire insulation      | good machinability                                   |
| 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  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  Max. rated voltage power (conductor - ground) 300 V  AC withstand voltage power (conductor - ground) 1,5 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance [EC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  | 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           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           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (conductor - ground)         350 V           AC withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing  | Amount strands (wire)                    | 42   |
| 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           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           Max. rated voltage power (conductor - ground)         300 V           Max. rated voltage power (conductor - ground)         350 V           AC withstand voltage power (wire - shield)         1,5 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -5 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing  | 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  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  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - ground) 350 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  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) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance EC 6003, application-related testing  Gasoline resistance Good, application-related testing   |  | 0,34 mm <sup>2</sup>                                 |
| Conductor type (wire)       strand class 6         Traversing distance (C-track)       5 m @ 25 °C         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         Max. rated voltage power (conductor - ground)       300 V         Max. rated voltage power (conductor - ground)       350 V         AC withstand voltage power (wire - shield)       1,5 kV @ 60 s         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)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -5 °C         Operating temperature max. (dynamic)       70 °C         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing   | Material conductor wire                  | Stranded copper wire, bare                           |
| Traversing distance (C-track) 5 m @ 25 °C Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 4,5 A Electrical resistance line constant wire 57 \( \Omega / \text{km} \end{array} \) 20 °C  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - ground) 350 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  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) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance  Good, application-related testing  |  |  |
| 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  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - conductor) 350 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  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) -40 °C  Max. operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  |  |
| Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 \( \Omega / \text{km} \equiv 20 \circ C \)  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - ground) 350 V  AC withstand voltage power (wire - shield) 1,5 kV \( \text{ 60 s} \)  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) -40 \( \circ C \)  Max. operating temperature (fixed) 80 \( \circ C \)  Operating temperature min. (dynamic) -5 \( \circ C \)  Operating temperature max. (dynamic) 70 \( \circ C \)  Flame resistance IEC 60332-2-2   UL 1581 \( \xi \) 1090   UL 1581 \( \xi \) 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  | <u>-</u>   |
| Electrical resistance line constant wire 57 Ω/km @ 20 °C  Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - conductor) 350 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  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) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  |  |
| Max. rated voltage power (conductor - ground) 300 V  Max. rated voltage power (conductor - 350 V  AC withstand voltage power (wire - shield) 1,5 kV @ 60 s  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) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   |  | •  |
| Max. rated voltage power (conductor - conductor)  AC withstand voltage power (wire - shield)  Power frequency withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   |  |  |
| AC withstand voltage power (wire - shield)  Power frequency withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  AC withstand voltage powe                            | Max. rated voltage power (conductor -    |  |
| Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  | · · · · · · · · · · · · · · · · · · ·    | 1.5 kV @ 60 s  |
| (wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  -5 °C  Operating temperature max. (dynamic)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  | <u> </u>                                 |  |
| Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing   | (wire - jacket)                          |  |
| Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -5 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  |  |
| Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  70 °C  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  | <u> </u>                                 |  |
| Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  |  |
| Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  |  |  |
| chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing   |  |  |
| Gasoline resistance Good, application-related testing   |  |  |
| <u> </u>  |  |  |
| Oil resistance DIN EN 60811-404   Good, application-related testing   |  |  |
|   | Oil resistance                           | DIN EN 60811-404   Good, application-related testing |

## Product-PDF for Article 7000-13101-3490300



Bending radius (fixed) 10 x Outer diameter

Bending radius (dynamic) 15 x Outer diameter