

## Valve plug MDC06-2s short LED with cable

PUR 2x0.75 bk UL/CSA+drag ch. 1.5m

Xtreme - Outdoor Male straight Further cable lengths on request. 12...24 V DC 2-pole LED

Compatible with:

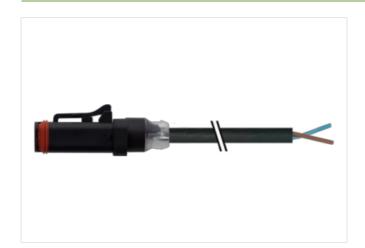
Deutsch DT06-2S

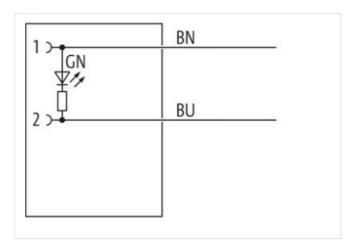
Plastic housings with good resistance against chemicals and oils.

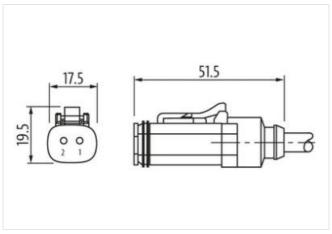
The resistance to aggressive media should be individually tested for your application. Further details on request.

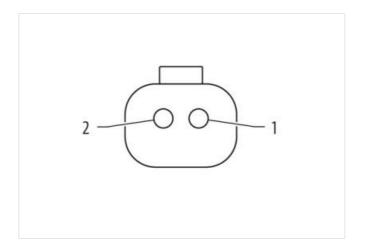
## **Link to Product**

## Illustration









Product may differ from Image









stay connected Cable length 1,5 m

| Cable length                              | 1,5 m   |
|---|---|
| Side 1                                    |   |
| Mounting method                           | inserted  |
| Coating contact                           | nickel plated   |
| Family construction form                  | MDC   |
| suitable for corrugated tube (internal Ø) | 10 mm   |
| Material contact                          | Copper alloy  |
| No. of poles                              | 2   |
| Side 2                                    |   |
| Stripping length (jacket)                 | 20 mm   |
| Commercial data                           | 20 11111  |
|   | 07070040  |
| ECLASS-6.0                                | 27279218  |
| ECLASS-7.0                                | 27279218  |
| ECLASS-8.0                                | 27279218  |
| ECLASS-9.0                                | 27060311  |
| ECLASS-10.1                               | 27060312  |
| ECLASS-11.1<br>ECLASS-12.0                | 27060312<br>27060312  |
| ETIM-5.0                                  | EC001855  |
| customs tariff number                     | 85444290  |
| GTIN                                      | 4048879815765   |
| Packaging unit                            | 1   |
| Electrical data   Supply                  |   |
|   | 40.11   |
| Operating voltage DC min.                 | 12 V  |
| Operating voltage DC max.                 | 24 V<br>8 A   |
| Current operating per contact max.        | 8 A   |
| Diagnostics                               |   |
| Status indication LED                     | green   |
| Installation   Connection                 |   |
| Stripping length (jacket)                 | 20 mm   |
| Family construction form                  | Amphenol AT06-2S  |
| Device protection   Electrical            |   |
| Degree of protection (ISO 20653:2013)     | IP66K, IP68, IP69K  |
| Pollution Degree                          | 2   |
| Rated surge voltage                       | 0,8 kV  |
| Material group (IEC 60664-1)              |   |
| Additional suppressor                     | without components  |
| Mechanical data   Material data           |   |
| Material gasket                           | Silicon   |
| Material housing                          | PA  |
| Mechanical data   Mounting data           |   |
| Looking techniques                        | Snap-in connector   |
| Environmental characteristics   Climatic  | ·   |
| Operating temperature min.                | -25 °C  |
| Operating temperature min.                | 85 °C   |
| Additional condition temperature range    | depending on cable quality  |
|   | asponding on outle quality  |
| Important installation notes              |   |
| Note on strain relief                     | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
| Note on bending radius                    | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |



stay connected

| Cable Identification         754           Cable Type         3           Jackel Color         black           Type of Certificate         CURUS           Amount stranding         1           Stranding         2 vires twisted           wire arrangement         brown, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weight         40.7 pm           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         PUR           Freedom from ingradients (jacket)         lead free, cadmium free, CFG-free, halogen-free, silicone-free           Cuber-diameter (jacket)         5 mm           Tolerance outer diameter (sket)         2           Outer diameter (sket)         2           Outer diameter (sket)         1.7 mm           Outer diameter tolerance core insulation         1.7 mm           Hours hardness were insulation         70 ± 5 Shore D           Ingredient feeness wie insulation         70 ± 5 Shore D           Ingredient feeness wie insulation         70 ± 5 Shore D           Ingredient feeness wie insulation         70 ± 5 Shore D           Ingredient feeness wie insulation         70 ± 5 Shore D   | Installation   Cable                              |  |
|--|---|--|
| Cable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires twisted           wire arrangement         brown, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weight         40,7 g/m           Mularieral jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (jacket)         5 mm           Tolerance outer diameter (seket)         5 mm           Tolerance outer diameter (seket)         5 mm           Individual vive insulation         PP           Amount virus         2           Outer diameter insulation         1,7 mm           Outer diameter insulation         1,5 mm           Outer diameter insulation  | ·   | 754  |
| Jacket Coor Type of Certificate  URUS  Control Certificate  URUS  Stranding  2 wires twisted  Wire arrangement  Down, blue  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Cablio weight  40 7 g/m  Material jacket  PUR  Shore hardness jacket  PUR  Shore hardness jacket  PUR  Amount views  2  Outer diameter (sacket)  Shore  Amount self jacket  John John John John John John John John   | Cable identification                              | /54  |
| Type of Certificate         cURs           Amount standing         1           Stranding         2 wies twisted           wire arrangement         brown, blue           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigh         40,7 g/m           Material jacket         PUR           Shore hardrises jackel         9 0 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolarance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         2           Outer diameter insulation         1,7 mm           Outer diameter insulation         1,7 mm           Outer diameter insulation         1,7 mm           Under diameter insulation         1,8 mm           Ingredient freeness wire insulation         7,9 ± 5 Shore D           Ingredient freeness wire insulation         7,9 ± 5 Shore D           Ingredient freeness wire insulation   | Cable Type  | 3  |
| Amount stranding 1  Stranding 2 wires twisted  wire arrangement bown, blue  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Gablie weight 40.7 g/m  Material jacket PUR  Shore hardness jacket PUR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Tolerance outer diameter (jacket) 5 mm  Atterial wire insulation PP  Amount wires 2  Outer diameter insulation PP  Amount wires 2  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  Conduct or crossection (wire) 0,75 mm²  Material vire in vire of single wires 0,15 mm  Conductor crossection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) 5 mm²  Conductor type (wire) 5 mm²  Conductor type (wire) 5 mm²  Conductor papelly (standard) 5 m NV DE 298-4  Current load capacity (standard) 5 m NV DE 298-4  Current load capacity (standard) 5 m NV DE 298-4  Current load capacity (standard) 5 m NV DE 298-4  Current load capacity (wither wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire wire) 80 °C 90 °C@ 10000 h Operation  Operating temperature min. (dynamic) 45 °C  Operating temperature min. (dynamic) 45 °C  Operating temperature min. (dynamic) 40 °C °C 0000 h Operation  Operating temperature min. (dynamic) 10 k Outer diameter  Flame resistance   | Jacket Color                                      | black  |
| Stranding   2 wires hvisted  | Type of Certificate                               | cURus  |
| wire arrangement brown, blue  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Cable weight 40,7 g/m  Material jacket 9UR  Shore hardness jacket 90 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 5 mm  Toterance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 2  Outer diameter insulation PP  Amount wires 2  Courer diameter tolerance core insulation 1,7 mm  Outer diameter tolerance core insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation 1,7 mm  Outer diameter of single wires 0,15 mm  Conductor or Sasses wire insulation 1,7 mm  Diameter of single wires 0,15 mm  Conductor or Sasses store insulation 1,7 mm  Material conductor vire 0,75 mm²  Material conductor vire 0,  | Amount stranding                                  | 1  |
| Traversing distance (C-track) 10 m @ 25 °C   horizontal  | Stranding   | 2 wires twisted  |
| Cable weight         40,7 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Torianzeo uster diameter (shalt)         ± 5 %           Material wire insulation         PP           Amount wires         2           Outer diameter insulation         1,7 mm           Outer diameter swire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Ingre  | wire arrangement                                  | brown, blue  |
| 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)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         2           Outer diameter insulation         1,7 mm           Outer diameter tolerance core 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         0,15 mm           Conductor crossection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity wink. wire         12 A           Electrical resistance line constant wire         26 D/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire wire)         2,5 kV @ 60 s   | Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Shore hardness jacket   90 ± 5 Shore A   | Cable weigth                                      | 40,7 g/m   |
| Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         2           Outer diameter insulation         1,7 mm           Unter diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor respection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity wink, wire         12 A           Electrical resistance line constant wire         25 ft/ © 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV © 60 s           Power frequency withstand voltage (wire - wire)  | Material jacket                                   | PUR  |
| Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         2           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         iead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Til  | Shore hardness jacket                             | 90 ± 5 Shore A   |
| Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 2  Quoter diameter insulation 1,7 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 0,15 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, barre  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 12 A  Electrical resistance line constant wire 2.5 kV Ø 60 s  Power frequency withstand voltage (wire - wire) 2.5 kV Ø 60 s  Min. operating temperature (fixed) 80 °C 90 °C Ø 10000 h Operation  Operating temperature (fixed) 80 °C 79 °C Ø 10000 h Operation  UV resistance DIN EN S0 4892-2 A  Flame resistance UL 1581 § 1909   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance DIN EN 60811-404   Good, application-related testing  Banding radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Ended Ctrack) 10 Min. operation cycles 2 Min.  Other or constance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Ended Ctrack) 10 Min. operation cycles 2 Min.  Other or constance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Ended Ctrack) 10 Min. operation cycles 2 Min.  Torsion stress ± 180 °m  | Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Material wire insulation         PP           Amount wires         2           Outer diameter insulation         1,7 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         0,15 mm           Conductor vives (orductor wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - injacket)         2.5 kV @ 60 s           Min. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         2.5 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance  | Outer-diameter (jacket)                           | 5 mm   |
| Amount wires         2           Outer diameter insulation         1,7 mm           Outer diameter 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         0,15 mm           Conductor of single wires         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (wire)         9,75 mm²           Material conductor wire         Strand class 6           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         12 A           Electrical resistance line constant wire         26 ΩKm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (wired)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         -25 °C           <  | Tolerance outer diameter (sheath)                 | ± 5 %  |
| Outer diameter insulation         1,7 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         tead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,15 mm           Conductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Max. operating temperature (static)         2,5 kV @ 60 s           Max. operati  | 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         0,15 mm           Conductor vires         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         40 °C           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UI v resistance         DIN EN ISO 4492-2 A           Flame resistance         UI. 1581 § 109   UI. 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         DIN EN 60911-404   Good, appl   | Amount wires                                      | 2  |
| Shore hardness wire insulation   70 ± 5 Shore D  | Outer diameter insulation                         | 1,7 mm   |
| Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 2,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 10 × Outer diameter Bending radius (fixed) 10 × Outer diameter Flavel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m  | Outer diameter tolerance core insulation          | ± 5 %  |
| Amount strands (wire) 42  Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 12 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (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  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Tavel speed (C-track) 10 kin. @ 25 °C  Torsion stress ± 180 °/m  | Shore hardness wire insulation                    | 70 ± 5 Shore D   |
| Diameter of single wires         0.15 mm           Conductor crosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter   | Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crosssection (wire)     0,75 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     12 A       Electrical resistance line constant wire     26 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - iacket)     -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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1990   UL 1581 § 1100 FT2   IEC 60332-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 × Outer diameter       Travel speed (C-track)     10 x Outer diameter       Travel speed (C-track)     10 x Outer diameter       Travel speed (C-track)     2 Mio.       Torsion stress     ± 180 °/m <td>Amount strands (wire)</td> <td>42</td>  | Amount strands (wire)                             | 42   |
| Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 12 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Flamel gradius (dynamic) 10 × Outer diameter  Flamel gradius (dynamic) 10 × Outer diameter  Fravel speed (C-track) 10 Min. @ 25 °C  No. of torsion cycles ± 180 °/m   | Diameter of single wires                          | 0,15 mm  |
| Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         2 Mio. <td>Conductor crosssection (wire)</td> <td>0,75 mm<sup>2</sup></td>  | Conductor crosssection (wire)                     | 0,75 mm <sup>2</sup>   |
| Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         12 A           Electrical resistance line constant wire         26 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - ack to go with the constant 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           UV resistance         DIN EN ISO 4892-2 A           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           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Travel speed (C-track)         10 Mio. @ 25 °C           No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/   | Material conductor wire                           | Stranded copper wire, bare                                     |
| Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       12 A         Electrical resistance line constant wire       26 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m   | Conductor type (wire)                             | strand class 6   |
| Current load capacity min. wire 12 A  Electrical resistance line constant wire 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket) 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m  | Nominal voltage AC max.                           | 300 V  |
| Electrical resistance line constant wire 26 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2.5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m  | Current load capacity (standard)                  | to DIN VDE 0298-4  |
| AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m   | Current load capacity min. wire                   | 12 A   |
| Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  A0 °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  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m   | Electrical resistance line constant wire          | 26 Ω/km @ 20 °C  |
| Service   Serv   | AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  OPERATING TEMPERATURE MIN. (dynamic)  OPERATURE MIN. (dynamic)  OPER | Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s  |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m   | Min. operating temperature (static)               | -40 °C   |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m   | Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m   | Operating temperature min. (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 DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m   | Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m  | UV resistance                                     | DIN EN ISO 4892-2 A  |
| Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m  | Flame resistance                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2            |
| Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m   | chemical resistance                               | Good, application-related testing                              |
| Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m   | Gasoline resistance                               | Good, application-related testing                              |
| Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m  | Oil resistance                                    |  |
| Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m   | Bending radius (fixed)                            |  |
| No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m  | Bending radius (dynamic)                          | 10 x Outer diameter  |
| No. of torsion cycles         2 Mio.           Torsion stress         ± 180 °/m  | Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| Torsion stress ± 180 °/m   |   |  |
|  | Torsion stress                                    |  |
|  | Torsion speed                                     | 35 cycles/min  |