

M12 male 90° / M12 female 90° A-cod. shielded

PUR 4x0.5+2x0.25 shielded gn UL/CSA+drag ch. 0.3m

Cube67
Male 90° – female 90°
M12 – M12, 6-pole
A-coded
shielded
Hybrid cable

Plastic housings with good resistance against chemicals and oils.

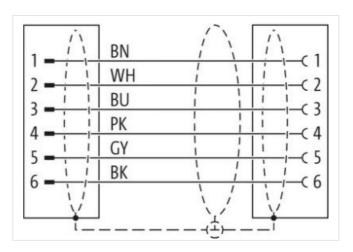
The resistance to aggressive media should be individually tested for your application. Further details on request.

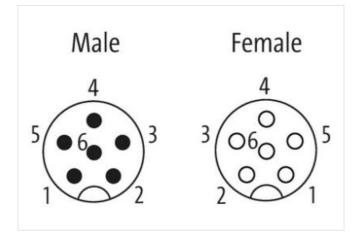
Further cable lengths on request.

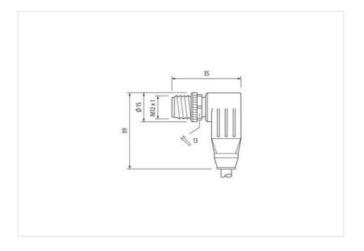
Link to Product

Illustration

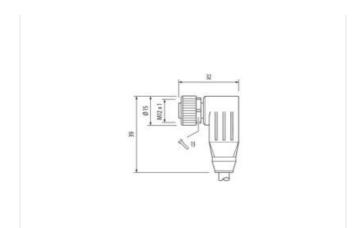












Product may differ from Image





| Side 1 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding A Material contact Copper alloy No. of poles 6 Width across flats SW13 Side 2 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding A Material contact Copper alloy No. of poles 6 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 | |
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| ECLASS-9.0 27060307 | |
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| ECLASS-10.1 27060307 | |
| ECLASS-11.1 27060307 | |
| ECLASS-12.0 27060307 | |
| ETIM-5.0 EC001855 | |
| customs tariff number 85444290 | |
| GTIN 4048879140195 | |



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| Packaging unit | 1 |
|--|---|
| Electrical data Supply | |
| Operating voltage AC max. | 30 V |
| Operating voltage DC max. | 30 V |
| Operating voltage AC (UL-listed) | 30 V |
| Operating voltage DC (UL-listed) | 30 V |
| Current operating per contact max. | 4 A |
| Diagnostics | |
| Status indication LED | no |
| Device protection Electrical | |
| Degree of protection (EN IEC 60529) | IP65, IP67 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 0.8 kV |
| Material group (IEC 60664-1) | i |
| Mechanical data | |
| Contour for corrugated hose | without |
| | WILLIOUS |
| Mechanical data Material data | |
| Coating locking | Nickeled |
| Material gasket | FKM |
| Locking material | Zinc die-casting |
| Mechanical data Mounting data | |
| Mounting method | inserted, screwed, Shaking protection |
| Environmental characteristics Climatic | |
| Operating temperature min. | -25 °C |
| Operating temperature max. | 85 °C |
| Additional condition temperature range | depending on cable quality |
| 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 | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation Cable | |
| wire arrangement | (gray, pink), blue, white, brown, black |
| Cable identification | 802 |
| Function cable | Hybrid, Signal, Data |
| Jacket Color | green |
| Type of Certificate | cURus |
| Amount stranding | 1 |
| Stranding | 2 wires twisted |
| Amount stranding (type 2) | 1 |
| Stranding (type 2) | 4 wires with Stranding combination with 3 Filler twisted |
| Cable shielding (type) | copper braid, tinned |
| Cable shielding (coverage) | 80 % |
| Banding | Fleece |
| Filler | yes |
| wire arrangement | (gray, pink), blue, white, brown, black |
| Cable weigth | 77 g/m |
| Material jacket | PUR |
| Freedom from ingredients (jacket) Outer-diameter (jacket) | lead-free, CFC-free, halogen-free 6,6 mm |
| Tolerance outer diameter (sheath) | ± 5 % |
| TOICIANCE OUTER GIANNETER (SHEATH) | ± 0 /0 |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20



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| Outer dismeter insulation 1,4 mm Outer dismeter foliarance core insulation 1,4 mm Ingredient freeness were insulation 1,2 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,4 mm Ingredient freeness were insulation 1,5 mm² Indianater of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material conductor wire Stranded copper wire, bare Conductor lyes (wire) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 mm Tolerance outer diameter wire insulation (Da | Material wire insulation | PP |
|--|---|--|
| Outer diameter tolerance core insulation ± 5 % Ingredient feeness wire insulation lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Amount strands (wire) 64 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.5 mm² Material own cutor of type (wire) strand class 6 Material wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (data) 5 % Ingredient freeness wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) 2 Amount strands wire (Data) 2 Amount strands wire (Data) 2.2 mm² Diameter of single wires (Data) 0.1 mm Conductor rosssection wire (Data) 2.2 mm² Wire conductor type (Data) 3.5 manded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage (Patrial wire) 1.0 INI VE C288-4 Current load capacity (standard) 1.0 INI VE C288-4 Current load capacity (standa | Amount wires | 4 |
| Ingredient freeness wire insulation Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor view Conductor wire Stranded copper wire, barre Conductor wire insulation (Data) PP Cotted diameter wire insulation (Data) Cotted diameter wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Conductor orsoscenton wire (Data) Cotted diameter wire insulation (Cotta) Cotted diameter (Cotta) Cotted diamete | Outer diameter insulation | 1,4 mm |
| Amount strands (wire) 64 Diameter of single wires 0,1 mm Conductor of single wires 0,5 mm² Material conductor were Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,2 % Impedient Internasive wire insulation (Data) 2 Amount strands wire (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,25 mm² Material conductor wire (Data) 0,25 mm² Material conductor vire (Data) \$ strande copper wire, bare Wire conductor type (Data) \$ strand class 6 Normal voltage AC max. 300 V Current load capacity ginn, wire (Data) 3,2 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance outing wire (Data) 7,5 kW @ 60 s Electrical resistance outing wire (Data) 7,5 kW @ 60 s Electrical resistance outing wire | Outer diameter tolerance core insulation | ±5% |
| Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,5 mm² Material wire insulation (Data) Strand class 6 Material wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 1,5 mm Tolerance outer diameter wire insulation (Data) 2,5 % Impredient freeness wire insulation (Data) 2 Amount wires (Data) 2 Amount wires (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 32 Wire conductor wire (Data) 5 strand class 6 Mornal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance coating wire (wire - wire) 1,5 kV @ 60 s Electrical resistance voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 0,05 mm H/km | Ingredient freeness wire insulation | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Conductor crossection (wire) 0.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Toferance outer diameter wire insulation (Data) 15 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount wires (Data) 32 Diameter of single wires (Data) 0,1 mm² Conductor rosssection wire (Data) 32 Wire conductor type (Data) 5 mm² Material conductor wire (Data) 5 mm² Wire conductor type (Data) 5 mm² Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A | Amount strands (wire) | 64 |
| Material conductor wire | Diameter of single wires | 0,1 mm |
| Conductor type (wire) strand class 6 Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1.1 mm Tolerance outer diameter wire insulation (Data) ± 5 % Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) 52 mm² Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. wire 6,3 A Current load capacity min. wire 79 QNm @ 20 °C Electrical resistance coating wire (Data) 79 QNm @ 20 °C Electrical resistance wire wire (wire - wire) 1,5 kV @ 60 s Electrical capacity ine constant (wire - wire) 90 °C | Conductor crosssection (wire) | 0,5 mm ² |
| Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) ± 5 % Ingredient freeness wire insulation (Data) bead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0.25 mm² Meterial conductor wire (Data) Strande class 6 Wire conductor type (Data) Strande class 6 Wire conductor type (Data) Strande class 6 Nominal voltage AC max. 300 V Current load capacity min. Wire (Data) 3.2 A Electrical resistance line constant wire 33 Ω/km @ 20 °C Electrical resistance line constant wire 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km Electrical capacity line constant (wire - wire) 6500 mH/km | Material conductor wire | Stranded copper wire, bare |
| Outer diameter wire insulation (Data) 1,1 mm Tolerance outer diameter wire insulation (Data) 1,5 %. Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands wire (Data) 2 Diameter of single wires (Data) 32 Diameter of single wires (Data) 0.25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) 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 (Data) 3.2 A Current load capacity wire (Data) 7.9 Ω/km @ 20 °C Electrical resistance coating wire (Data) 7.9 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Isolation resistance 2000 MC × km | Conductor type (wire) | strand class 6 |
| Tolerance outer diameter wire insulation (data) ± 5 % ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Belectrical resistance line constant wire 0,30 μ/μ | Material wire insulation (Data) | PP |
| Ingredient freeness wire insulation (Data) Ieaad-free, cadmium-free, CFC-free, halogen-free, silicone-free | Outer diameter wire insulation (Data) | 1,1 mm |
| Amount wires (Data) 2 Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded Conductor type (Data) Strand | Tolerance outer diameter wire insulation (data) | ±5% |
| Amount strands wire (Data) 32 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity finin, wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance line constant wire 39 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity inie constant (wire - wire) 3300 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical resistance 2000 MΩ × km Min. operating temperature (sitatic) 50 °C Max. operating temperature (sitatic) 50 °C Max. operating temperature min. (dynamic) 30 °C Operating temperature min. (dynamic) 70 °C Flame resistance Ele 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance <td>Ingredient freeness wire insulation (Data)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td> | Ingredient freeness wire insulation (Data) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) stranded copper wire, bare Wire conductor type (Data) stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6.3 A Current load capacity min. Wire (Data) 3.2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing <td>Amount wires (Data)</td> <td>2</td> | Amount wires (Data) | 2 |
| Conductor crosssection wire (Data) 0,25 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 3,2 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s Solation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 70 °C Plame resistance EC 60332-2-2 l LL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good. application-related testing Oil resistance DIN EN 66811-404 Good. application-related testing Bending radius (fixed) 5 x Outer diameter< | Amount strands wire (Data) | 32 |
| Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance ine constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C Electrical resistance ine constant wire wire) 1,5 kV @ 60 s Electrical capacity line constant 63000 pF/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature mix. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Elec 6032-2-2 [UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance DIN EN 60811-404 Good, app | Diameter of single wires (Data) | 0,1 mm |
| Wire conductor type (Data) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 63000 pF/km Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant (wire - wire) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing | Conductor crosssection wire (Data) | 0,25 mm ² |
| Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - siacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ x km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing | Material conductor wire (Data) | Stranded copper wire, bare |
| Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 °S Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - included (wire - shield) 1,5 kV @ 60 °S AC withstand voltage (wire - shield) 1,2 kV @ 60 °S Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) | Wire conductor type (Data) | strand class 6 |
| Current load capacity min. wire 6,3 A Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame 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 (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter | Nominal voltage AC max. | 300 V |
| Current load capacity min. Wire (Data) 3,2 A Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical capacity line constant 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Solation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Current load capacity (standard) | to DIN VDE 0298-4 |
| Electrical resistance line constant wire 39 Ω/km @ 20 °C Electrical resistance coating wire (Data) 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - lack to the standard voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 70 °C Flame resistance Elect 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C | Current load capacity min. wire | 6,3 A |
| Electrical resistance coating wire (Data) 79 \(\Omega / \text{km} \end{aligned} 20 \circ C\) AC withstand voltage (wire - wire) 1,5 kV \(\text{ 60 s} \) Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV \(\text{ 60 s} \) AC withstand voltage (wire - shield) 1,2 kV \(\text{ 60 s} \) Isolation resistance 2000 M\(\Omega \text{ km} \) Min. operating temperature (static) -50 \(\circ C \) Max. operating temperature (fixed) 90 \(\circ C \) Operating temperature max. (dynamic) 70 \(\circ C \) Flame resistance EC 60332-2-2 UL 1581 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 1090 chemical resistance Good, application-related testing Good (application-related Good (application-related Good (application-related Good | Current load capacity min. Wire (Data) | 3,2 A |
| AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - shield) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Electrical resistance line constant wire | 39 Ω/km @ 20 °C |
| Electric inductivity line constant 0,65 mH/km Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame 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 No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Traver speed (C-track) 2 m/s @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Electrical resistance coating wire (Data) | 79 Ω/km @ 20 °C |
| Electrical capacity line constant (wire - wire) 63000 pF/km Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s AC withstand voltage (wire - shield) 1,2 kV @ 60 s Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | AC withstand voltage (wire - wire) | 1,5 kV @ 60 s |
| Power frequency withstand voltage (wire - jacket) $1.5 \text{ kV} \otimes 60 \text{ s}$ $1.$ | Electric inductivity line constant | 0,65 mH/km |
| jacket)1,3 kV \oplus 60 sAC withstand voltage (wire - shield)1,2 kV \oplus 60 sIsolation resistance2000 MΩ × kmMin. operating temperature (static)-50 °CMax. operating temperature (fixed)90 °COperating temperature min. (dynamic)-30 °COperating temperature max. (dynamic)70 °CFlame resistanceIEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404 Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)5 Mio. \oplus 25 °CTraversing distance (C-track)10 m \oplus 25 °CTravel speed (C-track)2 m/s \oplus 25 °C | Electrical capacity line constant (wire - wire) | 63000 pF/km |
| Isolation resistance 2000 MΩ × km Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Power frequency withstand voltage (wire - jacket) | 1,5 kV @ 60 s |
| 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 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C | AC withstand voltage (wire - shield) | 1,2 kV @ 60 s |
| Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Isolation resistance | $2000 \text{ M}Ω \times \text{km}$ |
| Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 2 m/s @ 25 °C | Min. operating temperature (static) | -50 °C |
| Operating temperature max. (dynamic) Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traver speed (C-track) 2 m/s @ 25 °C | Max. operating temperature (fixed) | 90 °C |
| Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Operating temperature min. (dynamic) | -30 °C |
| chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Operating temperature max. (dynamic) | 70 °C |
| Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Flame resistance | IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 |
| Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | chemical resistance | Good, application-related testing |
| Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Gasoline resistance | Good, application-related testing |
| Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Oil resistance | DIN EN 60811-404 Good, application-related testing |
| No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Bending radius (fixed) | 5 x Outer diameter |
| Traversing distance (C-track) 10 m @ 25 °C Travel speed (C-track) 2 m/s @ 25 °C | Bending radius (dynamic) | 10 x Outer diameter |
| Travel speed (C-track) 2 m/s @ 25 °C | No. of bending cycles (C-track) | 5 Mio. @ 25 °C |
| | Traversing distance (C-track) | 10 m @ 25 °C |
| Torsion stress ± 180 °/m | Travel speed (C-track) | 2 m/s @ 25 °C |
| | Torsion stress | ± 180 °/m |