

## M12 female 0° A-cod. with cable shielded V4A

PUR 5x0.34 shielded gy UL/CSA+drag ch. 10m

Female straight M12, 5-pole shielded

Stainless steel 1.4404 (V4A)

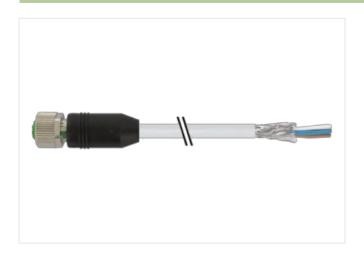
Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

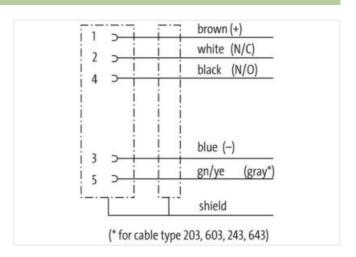
Plastic housings with good resistance against chemicals and oils.

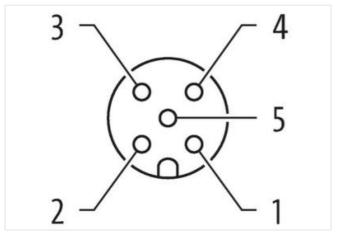
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

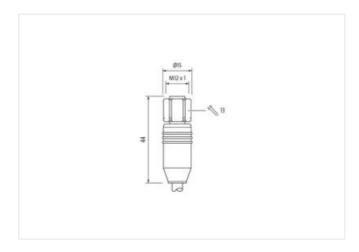
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

10 m

Side 1



stay connected

Tightening torque	0,6 Nm
Family construction form	M12
Thread	M12 x 1
Coding	A
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
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	4048879726474
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
	20 11111
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Material housing	PUR
Locking material	Stainless steel 1.4404 (V4A)
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climati	
·	-25 °C
Operating temperature min. Operating temperature max.	-25 °C 85 °C
Additional condition temperature range	depending on cable quality
	acpending 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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)

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: 2024-05-14



stay connected

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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Casoline resistance Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Flame fradius (dynamic) 10 × Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Installation   Cable	
Sachet Type  3   Sachet Coor  978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978   978  978	·	243
Special Color		
Type of Conflicate CURus  Immount stranding 1  Swiss around Core filler twisted  Sable shelding (type) copper traid. Immed  Sable shelding (type) copper traid. Immed  Sable shelding (coverage) 80 %  Banding Fleece, Foll  Flier yes  Was wire arrangement brown, back, blue, white, gray  Inversing distance (C-track) 5 m @ 25 *C   horizontal  S22 ym  Makerial jacket PUR  S40 y 57.2 ym  Makerial jacket PUR  Shore hardness jacket 99 1.5 \$hore A  Freedock from ingelectis (gaket) 1 sea dree, cadmium-free, C.F.C-free, halogen-free, silicone-free  Date-diameter (gaket) 5,5 mm  Date-diameter (gaket) 5,5 mm  Date-diameter insulation PP  Minour twies 5  S40 y 57 y 5 mm  Date diameter insulation 1,25 mm  Duber diameter i		
Amount stranding 1 Stranding 5 wires around Core Illior twisted  Sable shielding (type) Cable shielding (type) Cable shielding (coverage) 80 % Sanding Fleece, Foll Filler yes We arrangement bown, black, blue, white, gray Travesing distance (Crtack) 5 m @ 25 °C Chordontal  Sale weigh 57,2 pim Waterial picket 90.4 5 Shore A  Fleedom from ingredients (acket) 90.4 5 Shore A  Fleedom from ingredients (acket) 10.4 5 %  Malerial picket 90.5 5 Shore A  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Malerial picket 90.4 5 Shore A  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Fleedom from ingredients (acket) 10.5 m @ 25 °C  Malerial wire insulation PP  Minounit wirea 5 °C  Fleedom from from ingredients (acket) 10.5 m @ 25 °C  Malerial wire insulation 1.25 m m  Duter diameter (analtion 1.25 m m  Duter diameter (analtion 1.25 m m  Duter diameter (analtion 1.25 m m  Minounit strands (wire) 2.2 m @ 25 °C  Malerial conductor wire 2.3 m m deal free, cadmium-free, CFC free, habopen-free, silicone-free 1.2 m m m m m m m m m m m m m m m m m m m		
Stranding 5 wires around Core filler twisted cable shielding (type) cooper braid, tinned cable shielding (type) cooper braid, tinned cable shielding (coverage) 80 %   Banding Fleece, Foll  Fleece, F	**	
Cable shielding (type)         copper braid, finned           Zable shielding (overage)         80 %           Banding         Fleece, Foll           "Iller         yes           "Iller         yes           wire arrangement         brown, black, blue, white, gray           "Traversing distance (C-track)         5 m @ 25 °C   horizontal           Zable weigh         57.2 g/m           Malerial jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           "readom from ingredients (jacket)         5 m           User dismeter (jacket)         5 f.           Valer dismeter (jacket)         5 f.           Valer dismeter (jacket)         5 f.           Duter dismeter (jacket)         2 f.           Duter dismeter (jacket)         5 f.           Shore Duter dismeter (jacket)         5 f.           Shore Duter dismeter (jacket)         1 f.           Shore Duter dismeter (jacket)         5 f.           Shore Duter dismeter (jacket)         5 f.           Shore Duter dismeter (jacket)         7 f. 5 Shore D           Shore Particles wire issulation         7 f. 5 Shore D           Shore particles wire issulation         7 f. 5 Shore D           Shore particles wire issulation		
Eable shielding (coverage) 80 %  Fleece, Foil  Fleece, Foil  Fleece, Foil  Fleece, Foil  Fleece, Foil  Fleece, Foil  Fleeces froil  Fleeces		
Fleece, Foil	<u> </u>	
Filler	<u> </u>	
### A provided in the content of th		
Traversing distance (C-track)		·
Dable weight	<u> </u>	
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Poter recedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter diameter (jacket)         5.6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Duter diameter insulation         1.25 mm           Duter diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         16 5 %           Shore hardness wire insulation         16 4 5 %           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor rosssection (wire)         9.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Voluntial voltage AC max.         300 V           Courrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         4.5 A           Cover frequency withstand voltage (wire - wire)         2 kW @ 60 s           Power frequency withstand voltage (wire - shield)		
Shore hardness jacket   90 ± 5 Shore A		
Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		<del>-</del>
Duter-diameter (jacket)   5,6 mm	<u> </u>	
Tolerance outer diameter (sheath)	<u> </u>	
Material wire insulation         PP           Amount wires         5           Courter diameter insulation         1,25 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Impredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Jameter 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           Norminal 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         4,5 A           Electrical resistance line constant wire         57 Ωkm @ 20 °C           2-W (2) with stand voltage (wire - wire)         2 kV @ 60 s           3-Ower frequency withstand voltage (wire - shield)         2 kV @ 60 s           Win. operating temperature (static)         -40 °C           Wax. operating temperature (mix.)         80 °C / 90 °C @ 10000 h Operation           Deperating temperature max. (dynamic) <th< td=""><td><u> </u></td><td>· · · · · · · · · · · · · · · · · · ·</td></th<>	<u> </u>	· · · · · · · · · · · · · · · · · · ·
Amount wires 5  Duter diameter insulation 1,25 mm  Duter diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 70 ± 5 Shore D  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Donductor orsssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Stranded copper wire, bare  Onductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Durrent load capacity (standard) to IDIN VDE 0298-4  Current load capacity min. wire 4,5 A  Circent load capacity min. wire 4,5 A  Circent load capacity wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - wire) 2 kV @ 60 s  Ack withstand voltage (wire - shield) 2 kV @ 60 s  Ack withstand voltage (wire - shield) 2 kV @ 60 s  Max. operating temperature (static) 40 °C  Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation  Diperating temperature max. (dynamic) 25 °C  Diperating temperature max. (dynamic) 25 °C  Good, application-related testing  Sasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 5 Min. @ 25 °C  No. of torsion stress ± 30 °/m	, ,	
Duter diameter insulation         1,25 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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 (standard)         to DIN VDE 0298-4           Current load capacity (with wire)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shie		
Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Corrent load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           **Ower frequency withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Digreating temperature (fixed)         30 °C / 90 °C @ 10000 h Operation		
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  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 kV @ 60 s  Clectrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Win. operating temperature (static) 40 °C  Cuprenting temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Departing temperature max. (dynamic) 2-25 °C  Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Capaciting temperature max. (dynamic) 5x Over (application-related testing and in resistance Good, application-related testing and in related (fixed) 5x Over diameter  Travel Speed (C-track) 5x Min. @ 25 °C  No. of torsion stress ± 30 °/m  Torsion stress ± 30 °/m		<u> </u>
Ingredient freeness wire insulation 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 conductor wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded conductor wire, bare Conductor type (wire) Stranded conductor type (wire) Conductor type (wire) Stranded co		
Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor vives 0,34 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 win. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Cover frequency withstand voltage (wire - acket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Departing temperature max. (dynamic) -25 °C  Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Dia resistance Good, application-related testing  Dia resistance Good, application-related testing  Dia resistance Good, application-related testing  Elamding radius (fixed) 5 x Outer diameter  Fravel speed (C+rack) 5 Mio. @ 25 °C  No. of torsion stress ± 30 °/m		
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 Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Cornel color type (wire) strand class 6 Cornel color type (wire) strand class 6 Cornel color capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 40 °C  Deparating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Deparating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Deparating temperature min. (dynamic) -25 °C  Deparating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance EC 6004, application-related testing Chemical resistance Good, application-related testing  Basoline resistance Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	-	<del>-</del>
Conductor crosssection (wire)         0,34 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         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Planar resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           Schemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Gending radius (fixed)         5 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           Vo. of torsion cycles         2 Mio.		
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 (standard)  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Cower frequency withstand voltage (wire - acket) AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 3 80 °C / 90 °C @ 10000 h Operation  Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Parame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing Casoline resistance Good, application-related testing Dil resistance Good, application-related testing Sending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles ± 30 °/m		·
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 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Departing temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing  Garding radius (fixed) 5 x Outer diameter  Gending radius (dynamic) 10 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Forsion stress ± 30 °/m	Conductor crosssection (wire)	· · · · · · · · · · · · · · · · · · ·
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 \( \textit{ V/k m @ 20 \circ} \)  AC withstand voltage (wire - wire) 2 k V @ 60 s  Power frequency withstand voltage (wire - shield) 2 k V @ 60 s  AC withstand voltage (wire - shield) 2 k V @ 60 s  AC withstand voltage (wire - shield) 2 k V @ 60 s  AC withstand voltage (wire - shield) 40 \circ C  Max. operating temperature (static) 40 \circ C  Max. operating temperature (fixed) 80 \circ C / 90 \circ @ 10000 h Operation  Departing temperature max. (dynamic) -25 \circ C  Departing temperature max. (dynamic) 80 \circ C / 90 \circ @ 10000 h Operation  Elame resistance 1EC 60332-2-2   UL 1581 \( \) 1100 FT2   UL 1581 \( \) 1090  Chemical resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 \circ  No. of torsion cycles 2 Mio.  Forsion stress ± 30 \( \circ Mi)  Taxing In	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Max. operating temperature (fixed)  30 °C / 90 °C @ 10000 h Operation  Deparating temperature min. (dynamic)  25 °C  Deparating temperature max. (dynamic)  Eleme resistance  Elec 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Saloline resistance  Good, application-related testing  Dil resistance  Good, application-related testing  Bending radius (fixed)  5 × Outer diameter  Fravel speed (C-track)  No. of torsion cycles  ± 30 °/m	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Deparating temperature min. (dynamic) -25 °C  Deparating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Elame resistance IEC 60332-2-2-  UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Dil resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Forsion stress ± 30 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance 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 Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Forsion stress ± 30 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - acket)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - acket)  AC withstand voltage (wire - shield)  2 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)  Elame resistance  BEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Fravel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
acket)  AC withstand voltage (wire - shield)  AC withstand voltage (wi	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 30 °/m	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  Dil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	Min. operating temperature (static)	-40 °C
Departing temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  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  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
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  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature min. (dynamic)	-25 °C
Chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Forsion speed 35 cycles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min