

## M12 female 90° A-cod. with cable

PUR 5x0.34 gy UL/CSA+drag ch. 7.5m

Female 90° M12, 5-pole

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

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

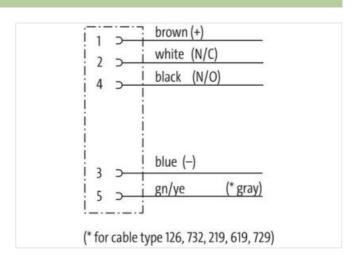
The resistance to aggressive media should be individually tested for your application. Further details on request.

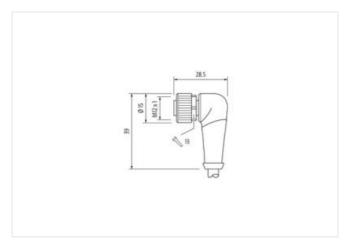
Further cable lengths on request.

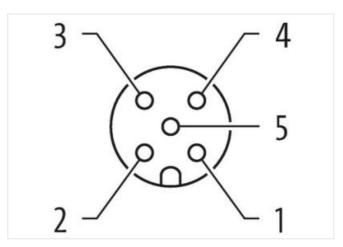
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

7,5 m

Side 1

Tightening torque

0,6 Nm

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



Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding Α PUR Material Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 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 4048879205771 Packaging unit Electrical data | Supply Operating voltage AC max. 125 V 125 V Operating voltage DC max. Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A Installation | Connection M12 x 1 Mounting set Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1 Mechanical data | Material data Coating locking Nickeled Coating of fitting nickel plated Zinc die-casting Locking material Material screw connection Zinc die-casting Mechanical data | Mounting data inserted, screwed, Shaking protection Mounting method Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius

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Conformity
Product standard

Installation | Cable

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DIN EN 61076-2-101 (M12)

endangered by excessive bending forces.



## stay connected

Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor strands (wire)         42           Diameter of single wires         0,1 mm           Conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wi	Cable identification	235
Jacksot Color   gray	Cable Type	3
Type of Certificate         CUPIus           Amount stranding         1           Stranding         5 wires around Core tiller twisted           Filler         yes           wire arrongement         brown, black, blue, white, green-yellow           Gabie weight         41.8 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-diamoter (jacket)         4,8 mm           Tofleance outer damoter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diamoter insulation         1,25 mm           Outer diamoter insulation         1,25 mm           Outer diamoter insulation         1,25 mm           Ingredient freeness wire 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           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           I		gray
Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green-yellow           Cable weight         41.8 g/m           Material jacket         PUR           Shore hardness jacket         90.2 5 Shore A           Freedom from ingredients (jacket)         48.8 mm           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (jacket)         4,8 mm           Tolerance outer diameter (jacket)         4,8 mm           Amount wires         5           Outer diameter (jacket)         1,25 mm           Outer diameter (jacket)         1,25 mm <t< td=""><td>Type of Certificate</td><td></td></t<>	Type of Certificate	
Filter yes wire arrangement borown, black, blue, white, green-yellow  Cable weight 41.8 g/m  Material jacket PUR  Shore hardness jacket 90.5 Shore A  Freedom from lingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jacket) 4,8 mm  Tolerance outer diameter (sheath) 2.5 %  Alterial wire slustation PP  Annount wires 5  Outer diameter tolerance core insulation 1,25 mm  Outer diameter tolerance core insulation 2.5 %  Shore hardness wire insulation 70.5 Shore D  Ingredient freeness wire insulation 1 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Annount strands (wire) 42  Diameter of single wires 0,1 mm  Material vior of single wires 0,1 mm  Material conductor wire Stranded copper wire, bare  Conductor type (wire) 5,3 mm  Material conductor wire Stranded copper wire, bare  Conductor type (wire) 10 mm 25 °C (Indizontal)  Nominal voltage AC max. 300 V  Current load capacity (standard) 10 DIN VDE 0298-4  Electrical resistance line constant wire 4,5 A  Electrical resistance line constant wire 4,5 A  Electrical resistance line constant wire 4,5 A  Electrical resistance line constant wire 4,6 C  Max. operating temperature (fixed) 80 °C,90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 25 °C (10000 h Operation  Flame resistance Good, application-related testing Oline Ensistance Control cycles 2 Milo.  Toxion lettors (Grack) 10 Milo. @ 25 °C  Nov. of torsion cycles 2 Milo.  Toxion citrosics 1, 180 °m		1
wire arrangement brown, black, blue, white, green-yellow Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 90±5 Shore A Freedom from ingredients (jacket) 18 mm Tolerance outer diameter (sheath) ±5 % Material jacket 19 pp Material wire insulation 10 pp Material wire insulation 1,25 mm Outer diameter (sheath) ±5 % Material wire insulation 1,25 mm Outer diameter insulation 1,25 m	Stranding	5 wires around Core filler twisted
Cable weigh         41.8 g/m           Material jacket         PUR           Material jacket         90.5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (halbeth)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter follerance orce insulation         1.25 mm           Outer diameter follerance orce insulation         1.5 mm           Shore hardness wire insulation         1.25 mm           Ingredient freeness wire insulation         1.25 mm           Corroction of single wires         0.1 mm           Conductor trops wire of single wires         0.1 mm           Onductor of single wires         Stranded coper wire, bare           Conductor type (wire)         strand-diase free, cadmium-free, CFC-free, halogen-free, silicone-free           Traversing distance (C-track)         10 m @ 25 °C   horizontal	Filler	yes
Cable weigh         41.8 g/m           Material jacket         PUR           Material jacket         90.5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (halbeth)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter follerance orce insulation         1.25 mm           Outer diameter follerance orce insulation         1.5 mm           Shore hardness wire insulation         1.25 mm           Ingredient freeness wire insulation         1.25 mm           Corroction of single wires         0.1 mm           Conductor trops wire of single wires         0.1 mm           Onductor of single wires         Stranded coper wire, bare           Conductor type (wire)         strand-diase free, cadmium-free, CFC-free, halogen-free, silicone-free           Traversing distance (C-track)         10 m @ 25 °C   horizontal	wire arrangement	<del>`</del>
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.8 mm           Outer-diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Culter diameter insulation         1,25 mm           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor (manager of single wires)         0,1 mm           Conductor (wire)         Stranded copper wire, bare           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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 in econstant wire         57 Ω/km @ 20 °C		- · · · · · · · · · · · · · · · · · · ·
Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter beloarnce core insulation         1,25 mm           Churer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor prossection (wire)         0,34 mm²           Material conductor wire         Stranded capser           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity wink. wire         4,5 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand vol	Material jacket	PUR
Outer-diameter (jacket)         4,8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 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         0,1 mm           Conductor of single wires         0,1 mm           Conductor type (wire)         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C (horizontal           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 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           Min. operat	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         ± 5 %           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         0,1 mm           Conductor crossesction (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (min. (dynamic)         -25 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         ± 5 %           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         0,1 mm           Conductor crossesction (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (min. (dynamic)         -25 °C	Outer-diameter (jacket)	4,8 mm
Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter 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 or crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-frack)         10 m @ 25 °C   horizontal           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 vire)         2,5 kV @ 60 s           Fleetrical resistance line constant wire         4,5 A           AC withstand voltage (wire vire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire vire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (mix. (dynamic)         25 °C           Operating temperature mix. (dynamic)         26 °C 9		±5%
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         10 ± 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)         stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity strandard)         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)         2.5 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           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         IEC 60332-2-2   U. 1581 § 190	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, sillicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vire         Stranded copper wire, bare           Conductor lype (wire)         stranded copper wire, bare           Conductor lype (wire)         stranded copper wire, bare           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - sicket)         2.5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         80 °C / 90 °C @ 10000 h	Amount wires	5
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, sillicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vire         Stranded copper wire, bare           Conductor lype (wire)         stranded copper wire, bare           Conductor lype (wire)         stranded copper wire, bare           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - sicket)         2.5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         80 °C / 90 °C @ 10000 h	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Outer diameter tolerance core 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) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  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) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - 2,5 kV @ 60 s  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 Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Tavel speed (C-track) 10 Min. @ 25 °C  No. of torsion cycles 2 Min.  Torsion stress ± 180 °/m	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2,5 kV @ 60 s           Min. operating temperature (istatic)         -40 °C           Max. operating temperature (iixed)         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 § 1930   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Ou	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           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)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         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           Flame resistance         IEC 60332-2-2   UL 1581 § 1930   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal    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 °C/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  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 § 1990   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing IDIN EN 60811-404  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m		0,1 mm
Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         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)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - ajacket)       -40 °C         Min. operating temperature (static)       -40 °C         Max. operating temperature (lixed)       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 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gil 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)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ±	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)  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  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - ack of the constant wire)  Ack vithstand voltage (wire - wire)  2,5 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Bo °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  Flame resistance  EC 60332-2-2 [UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m	Material conductor wire	Stranded copper wire, bare
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)       2,5 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         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °m	Conductor type (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 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         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °m		10 m @ 25 °C   horizontal
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 57 \( \Omega / \text{kV} \end{aligned} \end{aligned} \text{electrical resistance line constant wire} 2,5 kV \( \text{electrical resistance line constant wire} 2,5 kV \( \text{electrical resistance viithstand voltage (wire - wire)} 2,5 kV \( \text{electrical electrical resistand voltage (wire - wire)} 2,5 kV \( \text{electrical electrical electrical resistand voltage (wire - wire)} 2,5 kV \( \text{electrical electrical electrical electrical perature (static)} 2,5 kV \( \text{electrical electrical electrical resistance (fixed)} 80 \( ^{electrical electrical e		300 V
Electrical resistance line constant wire 57 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  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 x Outer diameter  Fravel 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)  Ac o C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Power frequency withstand voltage (wire - jacket)  Ac o C  Max. operating temperature (fixed)  Bo o C / 90 o C @ 10000 h Operation  Operating temperature max. (dynamic)  Bo o C / 90 o C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2  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)  10 Mio. @ 25 o C  No. of torsion cycles  ± 180 o/m	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Elac 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  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)  10 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  So °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  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)  10 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	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)  Bo °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  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  2 Mio.  Torsion stress  ± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing 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) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  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) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  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) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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)       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
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) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
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) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/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) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
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	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min