

M12 female 0° A-cod. with cable

PUR 12x0.14 bk UL/CSA+drag ch. 20m

Female straight

M12, 12-pole

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

with cable sleeves

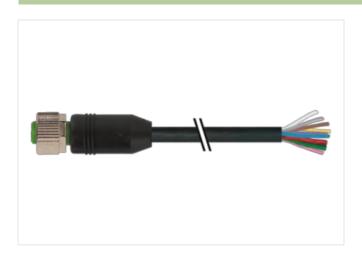
Plastic housings with good resistance against chemicals and oils.

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

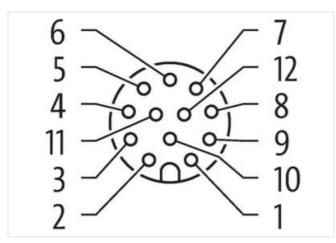
Further cable lengths on request.

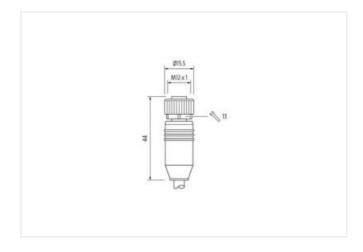
Link to Product

Illustration



BN	
BU	
l WH	
GN	
l PK	
YE	
l BK	
l GY	
l RD	
l VT	
I GY PK	
RD BU	





Product may differ from Image











Cable length

20 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: 2024-05-02



Mounting method	inserted, screwed
Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879371711
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.	1,5 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
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
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	
Cable identification	705
Jacket Color	black



stay connected

Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Banding Fleece wire arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) Cable veight 45,1 g/m Material glacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) 6 mm Coller-diameter (jacket) 6 mm Tolerance outer diameter (eheath) 1,5 % Amount strandis (wire) 12 Couter diameter insulation PP Amount wires 12 Couter diameter insulation 1 mm Coller diameter insulation 1 pm Coller diameter in	Type of Certificate	cURus
Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Banding Fleece wire arrangement 9 gray-pink, violet, red-blue, (trown, red, gray, black, yellow, pink, green, white, blue) Cable weight 45.1 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 9 22 5 Shore A Shore landing fleech 9 22 5 Shore A Outer-diameter (jacket) 6 mm Tolerance outer diameter (heath) 15 % Amount wires Outer diameter insulation PP Annount wires Outer diameter insulation PP Annount strands (wire) 12 Outer diameter insulation 72 2 3 Shore D Ingredient freeness wire insulation 17 2 3 Shore D Dameter of single wires Outer diameter insulation 18 Dameter of single wires Conductor or single wires Conductor trype (vire) 3 strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity min. wire 2 A Electrical resistance line constant wire 188 (Wire) 15 (Wire	Amount stranding	1
Stranding (type 2) 9 wires around Stranding combination counter-rotating twisted	Stranding	3 wires twisted
Banding Fleece Gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)	Amount stranding (type 2)	1
wire arrangement gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue) Cable weight 45,1 g/m Material jacket PUR Shore hardness jacket 92 £ 5 Shore A Freedom from ingradientis (jacket) lead-free, cadmium-free, CFC-free, halogen-free, eilicone-free Under-diameter (jacket) 6 mm Tolerance outer diameter (sheath) 2 5 % Material wire insulation PPP Material wire insulation 1 mm Outer diameter insulation 1 mm Outer diameter forence core insulation 2 5 % Shore hardness wire insulation 7 2 ± 3 Shore D Under diameter tolerance core insulation 7 2 ± 3 Shore D Shore hardness wire insulation 7 2 ± 3 Shore D Under diameter tolerance core insulation 1 mm Outer diameter tolerance core insulation 7 ± 5 % Shore hardness wire insulation 1 mm Conductor gray-pink wire 9 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire 0 strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 ∨ Current load capacity (standard) 10 bIN VDE 0298 4 Current load capacity (standard) 1,5 kV @ 60 s Power frequency wilnistand voltage (wire - wire) 1,5 kV @ 60 s Power frequency wilnistand voltage (wire - wire) 25 °C Operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 55 °C Operating temperature min. (dynamic) 60 od. application-related testing 10 NEN 160811-404 Eneming radius (fixed) 7,5 × Outer diameter 10 od. od. application-related testing 10 NEN 160811-404 Eneming radius (fixed) 7,5 × Outer diameter 10 od. od. application-related testing 10 NEN 160811-404 Torsion spead 3 Syviles/min 10 od. Outer diameter 10 od. od. of. od. od. od. od. od. od. od. od. od. od	Stranding (type 2)	9 wires around Stranding combination counter-rotating twisted
Cable weigth 45,1 g/m Material jacket PUR Shore hardness jacket 92 ± 5 Shore A Freedom from ingredients (jacket) lead free, cadmium-free, CFC-free, halogen-free, sillcone-free Outer-diameter (jacket) ± 5 % Material wire insulation PP Annount wires 12 Outer diameter tolerance core insulation 1 mm Outer diameter tolerance core insulation 7 ± 2 3 Shore D Ingredient reseass wire insulation 72 ± 3 Shore D Ingredient reseass wire insulation 1 mm Ingredient reseass wire insulation 18 Diameter of single wires 0.1 mm Conductor of single wires 0.1 mm Conductor type (wire) 9.14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) 5 tranded copper wire, bare Traversing distance (C-track) 5 m ≥ 25°C Nominal voltage AC max. 300 V Current load capacity frait. wire 1.5 kV ⊗ 60 s Power frequency withsland voltage (wire - jacket) 1.5 kV ⊗ 60 s Indextract with temperature wire (spannic) <td>Banding</td> <td>Fleece</td>	Banding	Fleece
Material Jacket PUR Shore hardness jacket 92 ± 5 Shore A Freedon from Ingredients (jacket) 6 mm Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter insulation 1 mm Outer diameter insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 1 mm Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor rossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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) 1,5 kV @ 60 s Power frequency withstand voltage (wire **)	wire arrangement	gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)
Shore hardness jacket 92 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter berance core insulation ± 5 % Shore hardness wire insulation 1 mm Outer diameter berance core insulation 2 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor rosseetion (wire) 0,14 mm² Conductor type (wire) stranded copper wire, bare Conductor type (wire) stranded capes of Chrack) 5 m @ 25 °C Nominal vollage 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 Electrical resistance line constant vire	Cable weigth	45,1 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter tolerance core insulation 1 mm Outer diameter tolerance core insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 18 Diameter of single wires 0,1 mm Conductor prosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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) 1,5 kV @ 60 s Sockel) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Operating temperature min. (dynamic) 25 °C Operating temperatur	Material jacket	PUR
Outer-diameter (jacket) 6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor rosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity (wire wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s William (wire) 2 A Electrical resistance in econstant wire 1,5 kV @ 60 s Wax. operating temperature (static) 40 °C Max. operating temperature (wire) <td< td=""><td>Shore hardness jacket</td><td>92 ± 5 Shore A</td></td<>	Shore hardness jacket	92 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 % Shore bardness wire insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor or sossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298 ·4 Current load capacity min. wire 138 Qkm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (mixed) 85 °C Operating temperature (mixed) 85 °C Operating temperature (m	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 45 °C Operating temperature (static) 85 °C Operating	Outer-diameter (jacket)	6 mm
Amount wires 12 Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5% Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation read-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor or ossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 60 °C UV resistance DIN EN ISO 4892-2 A	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Electrical resistance line constant wire 138 C/kr @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire) 1,5 kV @ 60 s jacket) 35 °C Operating temperature (static) 40 °C Max. operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 20 °C	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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 (wire-wire) 1,5 kV @ 60 s AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C UV resistance DI	Amount wires	12
Shore hardness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C 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) 1,5 kV @ 60 s Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature max. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C Ur resistance DIN EN ISO 4892-2 A Flame resistance <t< td=""><td>Outer diameter insulation</td><td>1 mm</td></t<>	Outer diameter insulation	1 mm
Ingredient freeness wire insulation Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage Ac max. 300 V Current load capacity (standard) current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire) 1,5 kV @ 60 s Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 0 perating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 85 °C Operating temperature min. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 2 Min. @ 25 °C No. of torsion cycles 2 Min. Or torsion cycles 3 5 cycles/min	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Min. operating temperature (fixed) 85 °C Operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 EC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gli resistance Good, application-related testing <	Shore hardness wire insulation	72 ± 3 Shore D
Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - injacket) 1,5 kV @ 60 s Power frequency withstand voltage (wire - injacket) 40 °C Min. operating temperature (istatic) 40 °C Max. operating temperature (istatic) 5 °C Operating temperature (istatic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s Min. operating temperature (fixed) 85 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -25 °C Uv resistance DIN EN ISO 4892-2 A Flame resistance U.1 581 § 1100 FT2 [IEC 60332-2-2 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) 7,5 x Outer diameter Bending radi	Amount strands (wire)	18
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Garding radius (fixed) 7,5 x Outer diameter Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles <td< td=""><td>Diameter of single wires</td><td>0,1 mm</td></td<>	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio.	Conductor crosssection (wire)	0,14 mm ²
Traversing distance (C-track) 5 m @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) -40 °C Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7.5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed <t< td=""><td>Material conductor wire</td><td>Stranded copper wire, bare</td></t<>	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 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - igacket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Fiame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Conductor type (wire)	strand class 6
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C
Current load capacity min. wire 2 A Electrical resistance line constant wire 138 \(\Omega \) (C AC withstand voltage (wire - wire) 1,5 kV \(\omega \) 60 s Power frequency withstand voltage (wire - iacket) 4.5 kV \(\omega \) 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 85 °C Ux resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 \(\gred \) 1100 FT2 IEC 60332-2-2 UL 1581 \(\gred \) 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) 7,5 x Outer diameter No. of bending cycles (C-track) 2 Mio. \(\omega \) 25 °C No. of torsion cycles 35 cycles/min	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 85 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 50 °C Operating temperature min. (dynamic) 60 °C Operating temperature min. (dynamic) 60 °C Operating temperature max. (dynamic) 61 °C Operating temperature max. (dynamic) 62 °C Operating temperature max. (dynamic) 63 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion speed 35 cycles/min	Current load capacity min. wire	2 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) So °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 35 cycles/min	Electrical resistance line constant wire	138 Ω/km @ 20 °C
Min. operating temperature (static) Max. operating temperature (fixed) Max. operating temperature (f	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Social Composition temperature max. (dynamic) Operating temperature max. (dynamic) Social Composition Social Compo	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) S5 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 35 cycles/min	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 35 cycles/min	Max. operating temperature (fixed)	85 °C
UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 35 cycles/min	Operating temperature max. (dynamic)	85 °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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. 35 cycles/min	Bending radius (fixed)	7,5 x Outer diameter
No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
Torsion speed 35 cycles/min	No. of bending cycles (C-track)	2 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m