

M12 female 0° A-cod. with cable

PUR 8x0.34 bk UL/CSA+drag ch. 50m

Female straight

M12, 8-pole

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

with cable sleeves

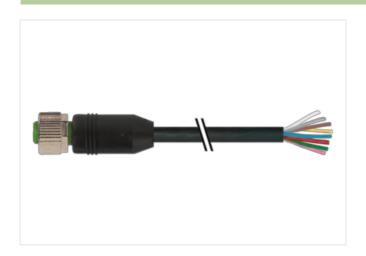
Plastic housings with good resistance against chemicals and oils.

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

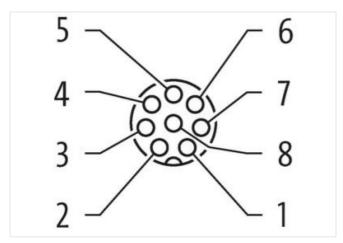
Further cable lengths on request.

Link to Product

Illustration









Product may differ from Image











Cable length

50 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: 2024-06-03



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endangered by excessive bending forces. Installation Cable	Mounting method	inserted, screwed
Coding A Material PUR Width across flats SW13 Degree of protection (EN IEC 60529) PP65, IP66K, IP67 Commercial data FURLY SEARCH	Family construction form	M12
Moderate	Thread	M12 x 1
Width across flats SW13 Degree of protection (ENIEC 60529) PPS, IPB6K, IPB7 Commercial data Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27060311 ECLASS-9.0 27060311 ECLASS-1.1 27060311 ECLASS-1.2.0 27060311 Eccitacing Card 27060211 </td <td>Coding</td> <td>A</td>	Coding	A
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Installation Cable		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
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wire arrangement prown, white, red. blue, pink, gray, yellow, green	·	have a little and black till a second
	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Cable identification 664	Cable identification	664



stay connected

Type of Certificate cURus Ancount stranding 1 Swires around Core filler twisted Filler yas Wries around Core filler twisted Filler yas Malerial jacked PUR Shore hardness packet 90 ± 5 Shore A Froedom from ingredients (jacket) 104 Bad free, cadmium-free, CFC-free, halogen-free, silicone-free Coulor-diameter (jacket) 5,9 mm Colar diameter (jacket) 5,9 mm Colar diameter (jacket) 12 5 % Malerial wrie insulation PP Annount wries 8 Coulor diameter insulation PP Annount wries 8 Coulor diameter insulation 14,45 mm Colar diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 65 ± 5 Shore D Ingredient reeness wire insulation 65 ± 5 Shore D Conductor (yes wries) 10,1 mm Conductor crosssection (wire) 10,1 mm Conductor (yes wries) 10,1 mm Conductor (yes wr	Cable Type	3
Amount stranding 1 Stranding 8 wires around Core filler twisted	Jacket Color	black
Stranding 8 wires around Core filler twisted Filler yes wire arrangement brown, while, red, blue, pink, gray, yellow, green Cable weight 64.9 g/m Material jacket 90.1.5 Shore A Freedom from ingredients (jacket) 190.1.5 Shore A Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Material wire insulation PP Material wire insulation 1,1.5 mm Outer diameter stolerance core insulation 1,1.5 mm Outer diameter tolerance core insulation 1,1.5 mm Outer diameter tolerance core insulation 1,1.5 mm Outer diameter tolerance core insulation 1,0.5 % Shore hardness wire insulation 65.2 Shore D ingredient freeness wire insulation 166.1 c. adminim-free, CPC-free, halogen-free, silicone-free Manuant strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire 0 Standed cooper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 500 V Correct load capacity (jachadrar) 10 IDIN VEC 2984 4 Outer off and capacity min. wire 4 A Electrical resistance inc constant wire 60 Name 20 °C AC withstand voltage (wire - wire) 64 A Electrical resistance inc constant wire 60 Name 20 °C 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) 35 °C Noter diameter Oil resistance Dilk EN ISO (application-related testing 10 Ending (cloud) 55 °C (operating temperature max (static) 55 °C (operating temperat	Type of Certificate	cURus
Filler	Amount stranding	1
wire arrangement brown, white, red. blue, pink, gray, yellow, green Gable weight 64,9 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (gacket) Load-free, cadmium-free, CFC-free, halogen-free, silicone-free Couler-diameter (gacket) 1,5 % Material wire insulation PP Amount wires 8 Couler diameter insulation 1,45 mm Couler diameter insulation 1,45 mm Couler diameter insulation 1,45 mm Couler diameter tolerance core insulation 1,45 mm Counter diameter tolerance core insulation 1,45 mm Counter diameter tolerance core insulation 1,45 mm Conductor wire Conductor	Stranding	8 wires around Core filler twisted
Cable weight 64,9 g/m Material picket PUR Shore hardness jacket 90 ± 5 shore A Freedom from ingredients (jacket) least-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation 1,45 mm Outer diameter insulation 5 5 % shore D Ingredient freeness wire insulation 65 ± 5 shore D Ingredient freeness wire insulation 45 % Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor type (wire) 0,3 mm² Malerial conductor wire Strand class 6 Conductor type (wire) strand class 6 Nominal vottage AC max. 600 V Current back capacity (standard) to DIN VDE 0298-4 Current back capacity wire. wire 4 A Electrical resistance line constant wire 60 Ωkw @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency	Filler	yes
Material jacket PUR	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Material jacket PUR	Cable weigth	64,9 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	
Outer-diameter (jacket) 6,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 8 Outer diameter insulation ± 5 % Shore hardness wire insulation £ 5 % Shore hardness wire insulation £ 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 crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 6 to Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Operating temperature (fixed) 30 °C Operating temperatur	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (shealth) ± 5 % Material wire insulation PP Amount wires 8 8 Outer diameter insulation 1,45 mm Outer diameter insulation 1,45 mm Outer diameter berance core insulation 1 ± 5 % Shore hardness wire insulation 65 ± 5 Shore D Ingredient freeness wire insulation 82 ± 5 Shore D Ingredient freeness wire insulation 84 ± 8 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. 600 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 A Clithand voltage (wire - wire) 6kV ⊕ 60 s Power frequency withstand voltage (wire - siacket) 90 °C Operating temperature (static) 40 °C Max. operating temperature (static) 90 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EIN ISO 4892-2 A Flame resistance Good, application-related testing Oil resistance DIN EIN 6081-404 (Good, application-related testing Oil resistance DIN EIN 6081-404 (Good, application-related testing Oil resistance DIN EIN 6081-404 (Good, application-related testing Bending radius (flxed) 5 x Outer diameter Bending radius (flxed) 5 x Outer diameter Bending radius (flxed) 5 Mio. ⊕ 25 °C Traversing distance (C-track) 5 Mio. ⊕ 25 °C Torsion stress ± ±180 °/m Torsion stress ± ±80 °/m	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 8 Outer diameter insulation 1,45 mm Outer diameter tolerance core insulation 65 ± 5 Shore D Ingredient freeness wire insulation 65 ± 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 (pre) (wire) strand class 6 Norminal voltage AC max. 600 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 6 N/w @ 50 s Power frequency withstand voltage (wire - wire) 6 K V @ 60 s Power frequency withstand voltage (wire - wire) 6 K V @ 60 s Min. operating temperature (stalic) 30 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C	Outer-diameter (jacket)	6,9 mm
Amount wires 8 Outer diameter insulation 1,45 mm Outler diameter insulation ± 5 % Shore hardness wire insulation 65 ± 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. 600 V Current load capacity (standard) to IDIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Qkm @ 20 °C Current load capacity min. wire 66 Qkm @ 20 °C Current load capacity min. wire 66 Qkm @ 20 °C Quert frequency withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Querting temperature min. (dynamic) 90 °C Operating temperature min. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Cascoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Dire sistance Sending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. Ø 25 °C Tr	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,45 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 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. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 O/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A UV resistance Good, application-related testing Gasoline resistance Good, application-related	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 65 ± 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. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 6 kV @ 60 s AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -90 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance U. 1581 § 1100 FT2 U.	Amount wires	8
Shore hardness wire insulation 65 ± 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. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - iacket) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1909 IEC 60332-2 ·2 Chemical resistance Good, application-related testing Oil resistance	Outer diameter insulation	1,45 mm
Ingredient freeness wire insulation Iead-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. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 6081-1404 (Good, application-related testing Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (dynamic) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter 10 × Outer diameter 10 × Outer diameter 10 × Outer diameter 10 × Oute	Outer diameter tolerance core insulation	±5%
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. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard voltage (wire - wire) to DIN VDE 0298-4 Current load capacity (standard voltage (standard voltage (standard voltage (standard voltage 090 °C Current load capacity (standard voltage (standard voltage 190 °C Current load capacity (standard voltage (standard voltage 190 °C Current load capacity (standard voltage 19	Shore hardness wire insulation	65 ± 5 Shore D
Diameter of single wires 0,1 mm	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - wire) 6 kV @ 60 s Min. operating temperature (tixed) 90 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Book of torsion cycles (C-track)	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - acket) 6 kV @ 60 s Min. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Elame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - iacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C Ut 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (gynamic) 10 x Outer diameter Bending radius (gynamic) 5 m @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± ±180 °/m	Conductor crosssection (wire)	0,34 mm ²
Nominal voltage AC max. 600 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - lacket) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (gynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 4 A Electrical resistance line constant wire 60 \(\Omega / \text{km} \) \(\end{array} \) \(\text{60 s}	Conductor type (wire)	strand class 6
Current load capacity min. wire 4 A Electrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - iacket) 6 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter No. of bending cycles (C-track) 5 mio. @ 25 °C Traver sing distance (C-track) 5 mio. 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Nominal voltage AC max.	600 V
Electrical resistance line constant wire AC withstand voltage (wire - wire) AC withstand voltage (wire wire) AC withstand voltage (wire wire) AC withstand voltage (wire wire) AC word of word of wire wire wire wire wire wire wire wire	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 6 kV @ 60 s Power frequency withstand voltage (wire - jacket) 6 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Current load capacity min. wire	4 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m@ 25 °C Traversing distance (C-track) 5 m@ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Electrical resistance line constant wire	60 Ω/km @ 20 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) OPERATURE MAX. (dyn	AC withstand voltage (wire - wire)	6 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Power frequency withstand voltage (wire - jacket)	6 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °C UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Max. operating temperature (fixed)	90 °C
DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Operating temperature min. (dynamic)	
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	90 °C
Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	chemical resistance	7 11
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	DIN EN 60811-404 Good, application-related testing
No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	No. of bending cycles (C-track)	5 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Traversing distance (C-track)	· · · · · · · · · · · · · · · · · · ·
Torsion stress ± 180 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min