

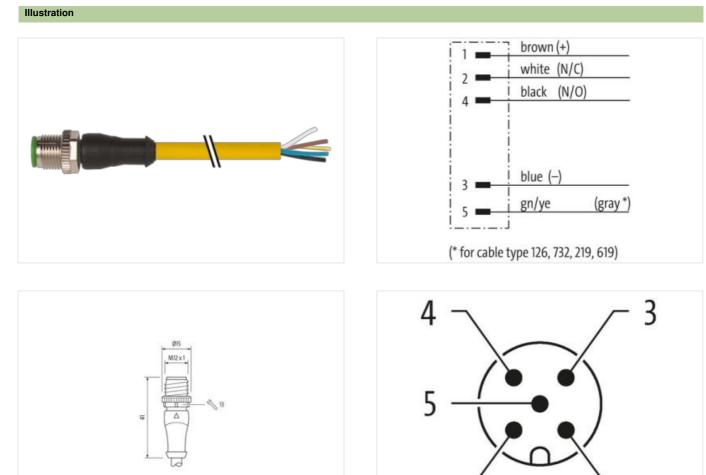
2

M12 male 0° A-cod. with cable

PUR 5x0.34 ye UL/CSA+drag ch. 4m

Male straight A-coded M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request. Plastic housings with good resistance against chemicals and oils.

Link to Product



Product may differ from Image



Cable length

Side 1

Tightening torque

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: 2024-05-19

4 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal \emptyset)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879302371
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data 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
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

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Conformity

Institution (Cable Cable intertion 126 Cable Type 3 Jacket Color yellow Type of Cartificate ulPus Stranding 1 Stranding 5 wries around Core filer twisted Filer yes Wie arrangement brown, black, blue, white, gray Cable weigh 418 gray Attential jacket PUI Material jacket PUI Stron hardness jackut 90 a 5 Storo A Freedom from ingredins (gackut) 18 arm Cater-diameter (gackut) 4.8 mm Cater-diameter (gackut) 4.5 % Amount wise 5 Cater-diameter (gackut) 4.5 % Amount wise 5 Cater-diameter (strongen constinution) 12.5 from D Ingredient freeness wire insulation 12.5 % Cater-diameter (strongen constinution) 42.8 Damoter of singling wires 0.1 arm Card-diameter insulation 10.9 @ 25 *C1 horizontal Material conductor type (wris) 0.3 4 mm²	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3 Jacké Clori yellow Type of Cafficate cURus Anount stranding 1 Stranding 5 wires around Core filler twisted Filler yel Cable weigh 41.8 g/m Material jacket PUH Store hardness jacket 90.5 Shore A Freedom from ingredients (jacket) 48.8 mm Tolerance surfer dimeter (storest) 4.8 mm Tolerance surfer dimeter (storest) 5 % Material wire insulation PP Annount vires 5 Outer diameter (storest) 1.2 5 mm Outer diameter insulation 1.2 5 % Shore hardness wire insulation 1.2 5 % Darbert dimeter weinsulation 1.2 5 % Conductor crossestion (wire) 0.4 mm Conductor vires 0.1 mm Conductor weinsulation 1.0 m @ 25 % [horicontal Normial vires	Installation Cable	
Cable Type 9 Jacket Color yellow Type of Cartificab CURus Arnout stranding 1 Stracking 5 wise around Core filler twisted Filler yes Cable weigh 41.8 g/m Material jocket 90 ± 5 Shore A Freedom Tom Ingredients (jacket) 40.4 5 Shore A Freedom Tom Ingredients (jacket) 4.4 J m Outer diameter (jacket) 4.5 Shore A Freedom Tom Ingredients (jacket) 4.5 Shore A Freedom Tom Ingredients (jacket) 4.5 Shore A Freedom Tom Ingredients (jacket) 5.5 Outer diameter (interation 7.5 Arnount virise 5 Outer diameter insulation 1.5 Sm Outer diameter insulation 1.5 Sm Shore hardness wei insulation 1.5 Sm Conductor crossection (wire) 0.34 mm² Conductor vires 5.1 Smore D Ingredient Treeness wire insulation 1.6 S m Conductor vires Stranded copper wire, bare Conductor vires Stranded copper wire, bare	Cable identification	126
Jacket Color yellow Type of Carlificatio cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes Write arrangement1 brown, black, blue, while, gray Cable weigh 41,8 grm Material Jacket PUR Shore hardness jacket 90 5 Shore A Freedom Trom Ingredents (gacket) Iead-Face, cadmum-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.8 mm Toterance outer diameter (jacket) 4.8 mm Outer-diameter (jacket) 4.8 mm Outer diameter (jacket) 4.5 % Shore hardness wire insulation 70 5 S hore D Ingredent freenesserve insulation 70 5 S hore D Ingredent freenes		3
Type of Certificate cURus Amount stranding 1 Stranding 5 wires around Core filler twisted Filler yes wire arrangement brown, black, blue, white, gray Cable weigh 41,8 g/m Material jacket PUR Shore hardness jacket 90 5 Shore A Freedom from ingredients (glacket) less/free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diamater (glacket) 4.8 mm Tealerance cuter diameter (sharet) 5 % Material wire insulation PP Amount wires 5 Outer diamater insulation 1.25 mm Outer diameter titerance core insulation 1.25 mm Card diameter titerance core insulation 1.25 mm Card diameter titerance core insulation 1.25 Shore D Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm ² Conductor wire Stranded copper wire, bare Conductor wire Stranded copper wire, bare Conductor type (wire) 4.70 Am de 25 °C Trawrendig disarce (Fracka)		vellow
Anourt stranding 1 Stranding 5 wires around Core filter twisted Filter yes wire arrangement brown, black, blue, white, gray Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom Tom ingredients (jacket) 4.8 mm Tolerance outer diameter (behatt) 1 5 % Material jacket PP Amount winse 5 Outer diameter (insulation PP Amount winse 5 Outer diameter (insulation 1.5 % Shore hardness wire insulation 1.6 Smm Outer diameter insulation 1.25 mm Outer diameter (insulation 1.25 mm Outer diameter insulation 1.26 mm Conductor crossection (wire) 0.34 mm ² Barneter of single wires 0,1 mm Conductor trype (wire) strand class 6 Traversing distance (-track) 10 m @ 25 °C [horizontal Nominal voltage AC max. 300 V Current load capacity (strandard) to DIN VDE 028-4 Curent load capacity (strandard) to DIN VD	Type of Certificate	
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wire arangement brown, black, blue, white, gray Cable weight 41,8 g/m Cable weight 41,8 g/m Shore hardness jacket PUR 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 (shealth) ± 5 % Material jacket PP Amount wires 5 Outer diameter tolerance ore insulation 1.25 mm Outer diameter tolerance ore insulation 1.25 mm Outer diameter tolerance ore insulation 1.26 mm Torgetent freeness wire insulation 1ead-free, cadmium-free, CFC-free, halogen-free, elicone-free Amount strands (wire) 4.2 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded cages 6 Traversing distance (C-track) 10 m @ 25 °C forizontal Normal voltage AC max. 300 V Current load cagacity min. wire 4.5 A Electrical resistance line constant wire		5 wires around Core filler twisted
Cable weigth 41,8 g/m Material jacket PUR Shore hardness jackit 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 Amount wires 5 Outer diameter tolerance core insulation ± 5 %. Shore hardness 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 42 Diameter of single wires 0,1 mm Conductor rype (wire) 5trand dass 6 Traversing diatance (C-track) 10 m @ 25 °C [horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DN Vb E 0298-4 Current load capacity (standard) to DN Vb E 0298-4 Current load capacity (standard) to DN Vb E 0298-4 Current load capacity (standard) to DN Vb E 0298-4 Current load capacity (sta	Filler	yes
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead tree, cadmium-free, CPC-free, halogen-free Outer diameter (jacket) 4.8 mm Tolerance outer diameter (jacket) 4.8 mm Material wire insulation PP Amount wires 5 Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 mm Outer diameter insulation 1.25 % Material wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.24 5 % Amount stands (wire) 42 Dameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm ² Conductor vire Stranded copper wire, bare Conductor vire Stranded cosper wire, bare Conductor vire Stranded cosper wire, bare Conductor vire Stranded cosper 4.4 Diameter of single wires 0,1 mm Conductor vire Stranded cosper 4.4 Current cost agaeity (standard) to DN V DE 288-4 Current load capaoly min. wire	wire arrangement	
Shore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jacket)4.8 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires5Outer diameter insulation1.25 mmOuter diameter insulation1.25 mmOuter diameter ore insulation1.25 mmOuter diameter ore insulation1.25 mmOuter diameter situation1.25 mmOuter diameter or leaves wire insulation1.25 mmConductor rossection (wire)42Diameter of single wires0,1 mmConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareConductor viseStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 029 °CAC withstand voltage (wire - wire)2.5 kV $@$ 60 sPrower frequency withstand voltage (wire - wire)2.5 kV $@$ 60 sMin. operating temperature	Cable weigth	41,8 g/m
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 % Tolerance outer diameter (sheath) 4.5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1.25 mm Conductor crossection (wire) 42 Diameter of single wires 0,1 mm Conductor vice consesection (wire) 0.34 mm² Material conductor wire Stranded copper wire, bare Conductor vice (G-track) 10 m @ 25 °C horizontal Nominal voitage AG max. 300 V Current load capacity (standard) to DIN VDE 0288-4 Current load capacity (standard) to DIN VDE 0280-4 Current load capacity (min- wire) 2.5 kV @ 60 s Power frequency withstand voitage (wire - wire) 2.5 kV @ 60 s Min. operating temperature (fixed) 40 °C <td></td> <td>PUR</td>		PUR
Outer-diameter (Jacket) 4.8 mm Tolerance outer (diameter (sheath)) ± 5 % Matorial wire insulation PP Amount wires 5 Outer diameter (sheath) ± 5 % Matorial wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 12.5 Shore D Ingradient freeness wire insulation 16ad-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 Traversing distance (C-track) 10 m 0 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (stinadard) to DIN VDE 0288-4 Current load capacity (stinadard) to DIN VDE 0288-4 Current load capacity (stinadard) to DIN VDE 0288-4 Carrent load capacity (stinadard) to DIN VDE 0288-4 Carrent load capacity (stinadard) to DIN VDE 0286 0 s Max. oper		90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164 ± 75% Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm ² Material conductor wire Stranded copper wire, bare Conductor (wire) 0,34 mm ² Conductor (wire) 0,34 mm ² Conductor (wire) 0,34 mm ² Conductor (wire) 0,1 mm Conductor (wire) 0,1 mm Conductor (wire) 0,1 mm Conductor (wire) 0,1 mm Conductor (wire) 0,24 mm ² Conductor (wire) 0,24 mm ² Conductor (wire) 0,24 mm ² Conductor (wire) 0,25 md class 6 Traversing distance (C-track) 10 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity min. wire 4,5 A	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Outer diameter insulation 1.26 mm Outer diameter insulation 15 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 164/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 mm ² Material conductor wire Strand class 6 Conductor crosssection (wire) 0.34 mm ² Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4	Outer-diameter (jacket)	4,8 mm
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 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 crossection (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 028-4 Current load capacity (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2.5 kV @ 60 s Rin. operating temperature (kixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (kixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (kixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (kixed) 80 °C / 90 °C @ 100000 h Operation	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredent 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 mm ³ 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 0288-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 028-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN *0 © 0° °C Ac withst	Material wire insulation	PP
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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 crossection (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 mix/mix 45 A Electrical resistance line constant wire 57 Ω/km @ 20 °C AC withstand voltage (wire - also acapacity mix/mix) 2,5 kV @ 60 s Power frequency withstand voltage (wire - also acapacity mix/mix) 40 °C Max. operating temperature (statle) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Correating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Flame resistan	Outer diameter insulation	1,25 mm
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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 win. wire 4,5 A Electrical resistance line constant wire 57 Qkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ispace) 2,5 kV @ 60 s Nax. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating tensistance God, application-related testing Goid, application-related testing Goid, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance	Shore hardness wire insulation	70 ± 5 Shore D
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 win. wire 4,5 A Electrical resistance line constant wire 57 Qkm @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ispace) 2,5 kV @ 60 s Nax. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -25 °C Operating temperature (static) -25 °C Operating temperature min. (dynamic) -25 °C Operating tensistance God, application-related testing Goid, application-related testing Goid, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance	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 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 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) -40 °C 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 Good, application-related testing Galoeline resistance Good, application-related testing Oil resistance Good, app	Amount strands (wire)	
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 Q/km @ 20 °C AC withstand voltage (wire - is 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 (static) -40 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation	Diameter of single wires	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 (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) -40 °C Min. 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 max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 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 Oil resistance Good, application-related testing <td>Conductor crosssection (wire)</td> <td>0,34 mm²</td>	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track)10 m @ 25 °C horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 EC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi vouter diameterTravel speed (C-track)10 Nio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 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 Nin. 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 UL 1881 § 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) 5 x Outer diameter Tavel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
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 Chemical 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 Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Travel speed (C-track) 10 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C horizontal
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 (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 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 <t< td=""><td>Nominal voltage AC max.</td><td>300 V</td></t<>	Nominal voltage AC max.	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 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 In x Outer diameter Travel speed (C-track) Travel speed (C-track) 10 Mio. @ 25 °C <	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi v Outer diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi resistanceGood, application-related testingDi vouter diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDiffication related testing10 N Outer diameterBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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Flame resistanceUL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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Oil resistanceGood, application-related testing DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 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

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: 2024-05-19

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