

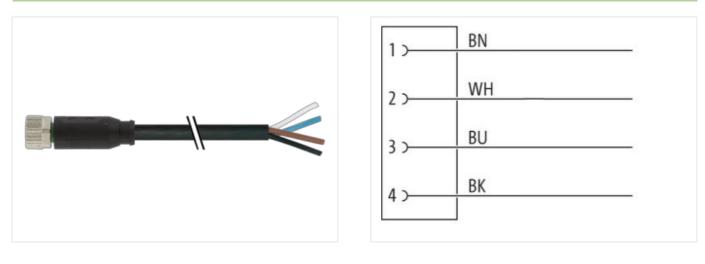
M8 female 0° A-cod. with cable

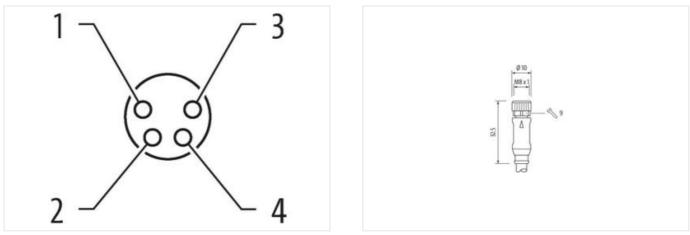
PUR 4x0.25 bk UL/CSA+drag ch. 12m

Female straight M8, 4-pole Art-No. 7005 - M8 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



12 m

0,4 Nm

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



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27270218
ECLASS-6.0 ECLASS-7.0	27279218 27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	27060311 27060311
ECLASS-11.1 ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879725835
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
	70
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 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
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Meaning meanod	
mentions in their Developed DDE have been served and with th	

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Operating temperature min. 425 °G Operating temperature max. 85 °C Additional condition temperature may. depending on cable quality Important Installation notes Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. Conformity Product standard DIN EN 61076-2104 (M8) Installation Cable write arrangement brown, black, blue, white Cable identification 631 Cable Cable identification 631 Cable Type of Cartificate cURus Cable Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable Cable Yape of Cartificate cURus Cable Cable Cable wire arrangement brown, black, blue, white Cable	Environmental characteristics Climatic		
Additional condition temperature range depending on cable quality Important installation notes Protect the connectors by suble measures from mechanical loads, e.g. by the usage of cable ties. Note on strain relief Protect the connectors by suble bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-104 (M8) Installation I Cable wire arrangement brown, black, blue, white Cable I type 3 Jacket Color Jacket Color black Type of Certificate c.URus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 3 g/m Material jacket PUR Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weight 3 g/m Material jacket PUR Stranding 4 wires twisted Outer diameter (backet) 1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (backet) 4 5 % Material jacket PUR Store D Store D Store D	Operating temperature min.	-25 °C	
Important installation notes Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. 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. Conformity Product standard DIN EN 61076-2-104 (M8) Installation I Cable writer arrangement brown, black, blue, while Cable Identification 631 Cable Identification Cable Identification 631 Cable Identificate Type of Certificate CURus Currentificate Amount stranding 1 Stranding 4 wires twisted Write arrangement brown, black, blue, white Cable Identificate CURus Amount stranding 1 Stranding 4 wires twisted Write straited Baterial jacket PUR Stranding 5 Store A Freedom from ingredients (jacket) 90 ± 5 Shore A Freedom from ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter insulation PP Amount stranding 1 25 % Shore handnees	Operating temperature max.	85 °C	
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. Conformity Product standard DIN EN 61076-2-104 (M8) Installation I Cable wire arrangement brown, black, blue, white Cable fidentification 631 Cable Type 3 Jacket Color black DIN EN 61076-2-104 (M8) DIN EN 61076-2-104 (M8) Amount stranding 1 Stranding Cable Type 3 Jacket Color black DIN EN 61076-2-104 (M8) DIN EN 61076-2-104 (M8) Amount stranding 1 Stranding 1 Stranding Gable type 3 Stranding 4 vires twisted Musters twisted Musters twisted Musters twisted Musters twisted Gable weigh 33 g/m Material jacket PUR Stranding Stranding Gable type Stranding Musters twisted Musters twisted Musters twisted Gable type Stranding St	Additional condition temperature range	depending on cable quality	
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. Conformity Product standard DIN EN 61076-2:104 (M8) Installation [Cable] Installation [Cable] Installation [Cable] wire arrangement brown, black, blue, white Cable Type 3 Jacket Color black DIN EN 61076-2:104 (M8) Installation Yape of Certificate cURus Culture Amount stranding 1 Stranding 1 Stranding 4 wires twisted Wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Shore A Freedom Trom ingredients (jacket) Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Cuter-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.25 mm Cuter diameter insulation 1.25 mm Shore bardness wire insulation 7.2 ± 5 % Material wire insulation 1.25 fm Cuter diameter insulation 7.2 ± 5 % <td>Important installation notes</td> <td></td>	Important installation notes		
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Product standard DIN EN 61076-2-104 (M8) Installation Cable wire arrangement brown, black, blue, white Cable identification 631 Cable route black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weight 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
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wire arrangementbrown, black, blue, whiteCable identification631Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (lacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material jwire insulationPPAmount strands4Outer diameter insulation± 5 %Shore hardness wire insulation± 5 %Duter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material conductor wire5 % andDiameter of single wires0,1 mmConductor cossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire <t< td=""><td>Product standard</td><td>DIN EN 61076-2-104 (M8)</td></t<>	Product standard	DIN EN 61076-2-104 (M8)	
Cable identification 631 Cable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 0.4 5 % Shore hardness wire insulation 0.4 5 % Diameter of single wires 0.1 mm Conductor crosssection (wire) 0.25 mm ³ Material c	Installation Cable		
Cable identification 631 Gable Type 3 Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable identification 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 1.45 % Shore hardness wire insulation 10 ± 5 % Shore D Ingredient treeness wire insulation 1.25 mm Conductor crosssection (wire) 32 Diameter of single wires 0.1 mm Conductor wires 0.1 mm Conductor w	wire arrangement	brown, black, blue, white	
Jacker Color black Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigth 33 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 7.0 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 22 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) </td <td>-</td> <td></td>	-		
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter folerance core insulation1,25 mmOuter diameter folerance core insulation1,25 mmOuter diameter folerance core insulation± 5 %Shore hardness wire insulation0 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor rossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Cable Type	3	
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Cable weigh33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation12 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation0,25 mm²Amount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)stranded copper wire, bareNominal voltage AC max.300 V <td< td=""><td>Stranding</td><td>4 wires twisted</td></td<>	Stranding	4 wires twisted	
Cable weight33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation22Diameter of single wires0,1 mmConductor rosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	wire arrangement	brown, black, blue, white	
Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 4,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core 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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4	-		
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Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Shore hardness jacket	90 ± 5 Shore A	
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Material wire insulationPPAmount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer-diameter (jacket)		
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Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Material wire insulation	PP	
Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Amount wires	4	
Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer diameter insulation	1,25 mm	
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer diameter tolerance core insulation	±5%	
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Shore hardness wire insulation	70 ± 5 Shore D	
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Amount strands (wire)	32	
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A	Diameter of single wires	0,1 mm	
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Conductor crosssection (wire)		
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Material conductor wire	Stranded copper wire, bare	
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A	Conductor type (wire)	strand class 6	
Current load capacity min. wire 3,6 A	Nominal voltage AC max.	300 V	
	Current load capacity (standard)	to DIN VDE 0298-4	
Electrical resistance line constant wire 79 Q/km @ 20 °C	Current load capacity min. wire	3,6 A	
	Electrical resistance line constant wire	79 Ω/km @ 20 °C	
AC withstand voltage (wire - wire) 2,5 kV @ 60 s	AC withstand voltage (wire - wire)	2,5 kV @ 60 s	
Power frequency withstand voltage (wire - 2,5 kV @ 60 s		2,5 kV @ 60 s	
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h Operation	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
Operating temperature min. (dynamic) -25 °C	Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation	
UV resistance DIN EN ISO 4892-2 A	UV resistance		
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2	
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing	
Gasoline resistance Good, application-related testing			
Oil resistance Good, application-related testing DIN EN 60811-404			
Bending radius (fixed) 5 x Outer diameter	Bending radius (fixed)	5 x Outer diameter	

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Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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