

M12 male 0° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 10m

Male straight M12, 5-pole shielded

with cable sleeves

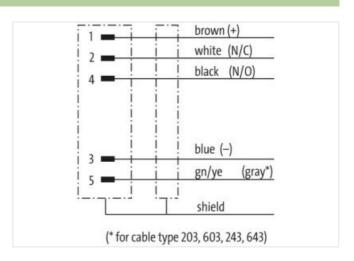
Plastic housings with good resistance against chemicals and oils.

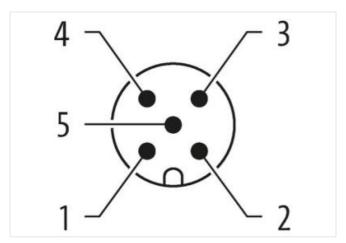
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

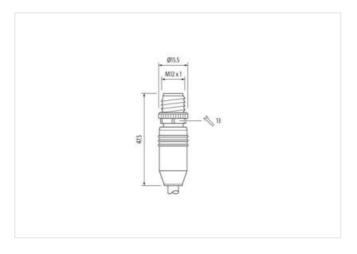
Link to Product

Illustration









Product may differ from Image













Cable length

10 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: 2024-04-27



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Coating contact Family construction form Thread Coding Material contact	inserted, screwed gold plated M12 M12 x 1 A Copper alloy
Family construction form Thread Coding Material contact	M12 M12 x 1 A
Thread Coding Material contact	M12 x 1 A
Material contact	
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
	27279218
	27279218
	27060311
	27060311
	27060311
	27060311
	EC001855
	85444290
	4048879811750
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
	60 V
	30 V
	30 V
	4 A
Diagnostics	
	no
Installation Connection	
	00
11 0 0 0 7	20 mm M12 x 1
	WIZXI
Device protection Electrical	
	inserted, screwed
	3
	1,5 kV
material group (i=0 0000 i i)	l
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
	Nickeled
	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	

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Departing temperature mass: SF °C	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality Product standard		
Controllity Controllity Product standard DIN EN 61076-2-101 (M12) Installation (Sable Cable Installation 242 Cable Type 3 3 Label Golfor gray 9 Type of Certificate CURUS Mount stranding 1 1 Stranding 5 wires around Core little twisted Cable shelding (type) Opper brand, finned Cable shelding (typer) Opper brand, finned Cable shelding (typer) Opper brand, finned Standing Floodon, Florid Billing Pload Billing Pload Wire arrangement brown, black, blue, white, groon yellow No. of bending cycles (C-track) 5 Mine, Ø 5° C Standing (see (C-track)) 5 Mine, Ø 5° C Material jacket PUR Mountain wire insulation PUR Material jacket PUR Material jacket PUR Freedom from ingredents (jacket) 5 5 mm Outer diameter (sheath) 2.5 % Material carrial		
Installation Cable		deporturing on capic quality
Easilation Cable Cable Infrincation 242 242 242 242 243 244	Conformity	
Cable Identification 242 Cable Type 3 Lakex Cofor gray Type of Carlificate cLPLus Monorit stranding 1 Stranding 5 wires around Core filler twisted Cable shelding (type) opper brad, timed Cable shelding (coverage) 80 % Banding Fleece, Foil Filler yes wire arrangement brown, Back, blue, white, green-yellow No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigh 5 /2 g im Material jacket PUR Shore hardness jacket 90 + 5 Shore A Freedoch from ingredients (jacket) 5 f. or m Tolerance outer diameter (sheath) ± 5 % Malariai wire insulation PP Arnount wires 5 Duter dameter insulation 1,2 5 Shore D Duter dameter five insulation 1,2 5 Shore D Duter dameter insulation 1,2 5 Shore D Duter dameter insulation 1,2 5 Shore D Durander of single wires 0,1 mm <	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3 Jacket Color gray yrey or Certificate cURus Amount stranding 1 Swires around Core filter twisted Cable shelding (type) copper braid, tinned Branding Rence, Foll Filter yes Weir arrangement braid provides (C-track) 5 Mio. @ 25 °C Cable weight 57,2 gm Makerial jacket PLR Shore hardness jacket PLR Shore hardness jacket 99.1 Shore A Freedom from ingredients (jacket) isod free, cadmium free, CFC free, halogen free, silicone-free Duter-diameter (packet) 5,5 mm Tolerance outer diameter (sheath) 4.5 % Makerial varie insulation PP Arrount wires 5 Duter diameter insulation PP Arrount wires 5 Duter diameter insulation 1,25 mm Duter	Installation Cable	
Jacket Color Type of Certificate Type of Certi	Cable identification	242
Type of Certificate OURus Annount stranding 1 copper braid, inned Cable shielding (type) copper braid, inned Cable shielding (coverage) 80 % Bandring Floeco, Foll Filler yes Were arrangement brown, black, blue, white, green-yellow Were arrangement Were arrangement Were arrangement Were insulation PP Annound were insula	Cable Type	3
Amount stranding 1 Stranding 5 wires around Core filler twisted Cable shelding (type) copper braid, tinned Cable shelding (coverage) 80 % Banding Fleece, Foil Filler yes Banding Fleece, Foil Filler yes Wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weight 57,2 g/m Material picket PUR Shore hardness jacket 90 5 Shore A Freadom from ingradients (jacket) 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Core diameter (jacket) 2 5 % Material wire insulation PP Material wire insulatio	Jacket Color	gray
Stranding Stranding Swires around Core filter twisted copper braid, timed cable shielding (type) copper braid, timed cable shielding (coverage) 80 % 20 % 20 % 20 % 20 % 20 % 20 % 20 %	Type of Certificate	cURus
Cable shielding (type) copper braid, tinned Cable shielding (coverage) 80 % Banding Fleece, Foll Filler yes wire arrangement brown, black, blue, white, green yellow No. of bending cycles (C-track) 5 Mio. @25°C Cable weight 57,2 g/m Material picket PUR 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) 5.6 mm Cable weight 55°C Cable weight 57.2 g/m Material picket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (sheath) ± 5 % Material wire insulation PP Amount wires Duter diameter tolerance core insulation 1,25 mm Outer diameter of single wire insulation 1,25 mm Outer of single wire insulation 1,25 mm Outer of single wire of single	Amount stranding	1
Cable shielding (coverage)	Stranding	5 wires around Core filler twisted
Fleece, Foil yes	Cable shielding (type)	copper braid, tinned
Filler yes brown, black, blue, white, green-yellow No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weigth 57,2 g/m Malerial jakekt PUR Freedom from ingredients (jacket) 99 ± 5 Shore A Freedom from ingredients (jacket) 99 ± 5 Shore A Freedom from ingredients (jacket) 90 ± 5 Shore A Freedom from ingredients (jacket) 158 mm Tolerance outer diameter (jacket) 58 mm Tolerance outer diameter (jacket) 58 mm Material wire insulation PP Amount wires 55 Coulter diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 84 ± 2 Diameter of single wires 0,1 mm Conductor prossection (wire) 42 Diameter of single wires 0,1 mm Conductor trype (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C (horizontal Cucrent load capacity (standard) to IN VBE (2984 4 Current load capacity min. wire 4,5 A Electrical resistance (in econstant wire 57 Q/km @ 20 °C Normal voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (stade) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 25 °C Doperating temperature min. (dynamic) 600, application-related testing Bending radius (fixed) 5 x Outer diameter in Din NE 60911-404 Bending radius (fixed) 5 x Outer diameter in Din NE 60911-404	Cable shielding (coverage)	80 %
wire arrangement brown, black, blue, white, green-yellow No. of bending cycles (C-track) 5 Mio. @ 25 °C Cable weight 57.2 g/m Material jacket PUR Shore hardness jacket PUR Shore and predients (jacket) 1.85 mm Outer-diameter (jacket) 5.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation PP Amount wires 5 Shore hardness wire insulation 1.25 mm Outer diameter tolerance core insulation 1.25 mm Outer diameter tolerance core insulation 70 ± 5 Shore D Ingredient freeness wire insulation 8 25 % Shore hardness wire insulation 1.25 mm Douter diameter tolerance core insulation 2 ± 5 % Shore bardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Markerial productor wire 9 ± 5 Mm Diameter of single wires 0,1 mm Conductor type (wire) 3 ± 4 mm² </td <td>Banding</td> <td>Fleece, Foil</td>	Banding	Fleece, Foil
No. of bending cycles (C-track)	Filler	yes
Cable weight 57,2 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) 5,8 mm Tolerance outer diameter (sheath) ± 5 % Amderial wire insulation PP Amount wires 5 Outer diameter folerance core insulation 1,25 mm Shore hardness wire insulation 1,25 mm Outer diameter folerance core insulation 1,25 mm Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 2 kW @ 60 s	wire arrangement	brown, black, blue, white, green-yellow
Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) 16ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.6 mm Tolerance outer diameter (seketh) ± 5 %. Material wire insulation PP Amount wires 5 Outer diameter busilation 1.25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient 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 rossessetion (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) \$ \$ 25 Cl Indizontal 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 0298-6 Nominal voltage power (vire - shield) 2 kV @ 60 s Nominal voltage power (vire - shield) 2 kV @ 60 s <	No. of bending cycles (C-track)	5 Mio. @ 25 °C
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5.6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 1,25 mm Outer diameter tolerance core insulation 2 5 % Shore hardness wire insulation 70 ± 5 Shore D Shore standenss wire insulation 42 Onder of single wires 0,1 mm Conductor (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (sinandard) to DIN VDE 0298-4 Current load capacity (sinandard) to DIN VDE 0298-4 Current load capacity (min. wire) 4,5 A Electrical resistance line constant wire 57 Qikm @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s	Cable weigth	57,2 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 5,6 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter Insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 5 °C (λ/2 km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s MG withstand voltage power (wire - wire) 2 kV @ 60 s MG withstand voltage power (wire - wire) 2 kV	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Coulter diameter insulation 1,25 mm Outer diameter tolerance core insulation 2 5 % Shore hardness wire insulation 70 ± 5 Shore D Outer diameter tolerance core insulation 70 ± 5 Shore D Shore hardness 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 Traversing distance (C-track) 5 m @ 25 °C Inorizontal Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (ini. wire 4,5 A Electrical resistance line constant wire 5 m @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 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) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 25 °C Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation Doreating temperature mi	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Couter diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor orsssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C	Outer-diameter (jacket)	5,6 mm
Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Current load capacity (slandard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature max. (dynamic) -25 °C Operating temperature max. (dyna	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore bardness 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 crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor (ye (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C <tr< td=""><td>Material wire insulation</td><td>PP</td></tr<>	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, 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) 5 m @ 25 °C horizontal 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 Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -60 °C @ 1000	Amount wires	5
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0.1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Go	Outer diameter insulation	1,25 mm
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 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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	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 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 2-25 °C Operating temperature max. (dynamic) Bending resistance Good, application-related testing Gasoline resistance Gasoline resistance Good, application-related testing Flori Robert Strands Good application-related testing Flori Robert Strands Good application-related testing Flori Robert Strands Flori Robert Stran	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires O,1 mm Conductor crosssection (wire) O,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	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) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Amount strands (wire)	42
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Conductor crosssection (wire)	0,34 mm ²
Traversing distance (C-track) 5 m @ 25 °C horizontal 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 Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 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 EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Din EN 60811-404 Ending radius (fixed) 5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 57 \(\Omega \text{ Mrm} \) 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV \(\empsilon \text{ 60 s} \) Power frequency withstand voltage power (wire - wire) 2 kV \(\empsilon \text{ 60 s} \) AC withstand voltage power (wire - wire) 2 kV \(\empsilon \text{ 60 s} \) AC withstand voltage power (wire - wire) 2 kV \(\empsilon \text{ 60 s} \) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C \(\empsilon \text{ 10000 h Operation} \) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C \(\empsilon \text{ 10000 h Operation} \) Flame resistance EC 60332-2-2 UL 1581 \(\graphi \text{ 1100 FT2 UL 1581 \(\graphi \text{ 1990} \) 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	Conductor type (wire)	strand class 6
Current load capacity min. wire 4.5 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Traversing distance (C-track)	5 m @ 25 °C horizontal
Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max. AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Current load capacity min. wire	4,5 A
AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power (wire - packet) AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Nominal voltage power AC max.	300 V
(wire - jacket) AC withstand voltage power (wire - wire) AC withstand voltage power (wire wire) AC withstand voltage power (wire wire) AC withstand voltage power (wire) AC withsta	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) Bo °C / 90 °C @ 10000 h Operation IEC 60332-2-2 UL 1581 § 1100 FT2 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	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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	Operating temperature min. (dynamic)	-25 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter



No. of torsion cycles	2 Mio.
Torsion speed	35 cycles/min
Torsion stress	± 30 °/m