

M12 female 90° A-cod. with cable LED+Suppression

PUR 3x0.75 bk UL/CSA+drag ch. 4m

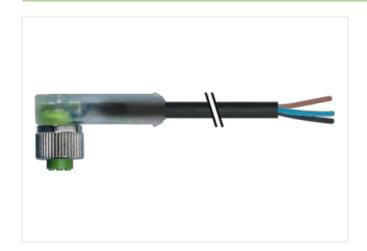
Female 90° M12, 3-pole LED and suppression with cable sleeves

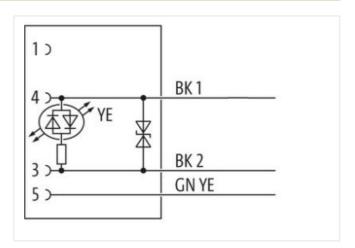
Plastic housings with good resistance against chemicals and oils.

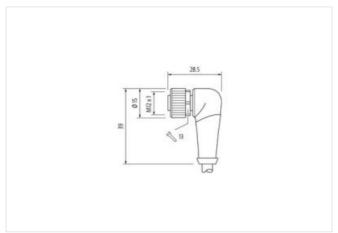
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

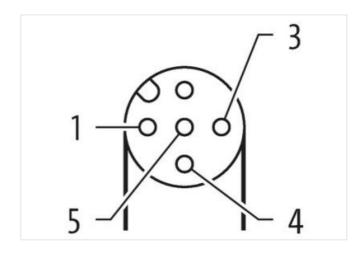
Link to Product

Illustration









Product may differ from Image











Cable length

4 m

Side 1

0,6 Nm Tightening torque



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Cable outlet	angled
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879687034
Packaging unit	1
Electrical data Supply	
Operating voltage AC	24 V
Operating voltage AC min.	18 V
Operating voltage AC max.	30 V
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	yellow
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	0,8 kV
Material group (IEC 60664-1)	I I
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
	<u> </u>
Mechanical data Mounting data	



stay connected

Conformity Product standard DIN EN 81076 2-101 (M12) Installation (Cable Cable identification (Cable Cable identification (Cable id	Mounting method	inserted, screwed, Shaking protection
Operating temperature max. 85 °C oberating temperature manae operating on cable quality (morporant installation notes (operating on cable quality) (morporant installation notes) (operating temperature max operating on cable quality) (operating temperature max operating temperature max (dynamic)) (operating temperature max (dy		
Operating temperature max. 85 °C oberating temperature manae operating on cable quality (morporant installation notes (operating on cable quality) (morporant installation notes) (operating temperature max operating on cable quality) (operating temperature max operating temperature max (dynamic)) (operating temperature max (dy	Operating temperature min	-25 °C
Additional condition temperature range depending on cable quality important installation notes in control in c	<u>' </u>	
Note on train relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee. 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 61076-2-101 (M12) Installation Cable Cable Input Ca		
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. Aftertions: Observe the permissible bending radii when laying cables, as the IP protection class can be enchangered by excessive bending forces. Product standard DNE NE 1076-2-101 (M12) Intratialation (Cable Cable Identification 636 Cable Type 3 Cable Identification white (isolation black) Jacket Color Back Type of Certificate Culffus Type of Certific	· · ·	dopontaling on odolo quality
Attention: Observe the permissible bending radius on diagnared by excessive banding forces. Conformity Product standard DIN EN 81076-2-101 (M12) Installation Cable Cable identification Cable Type 3 Printing color of write insulation Jacked Color black Conformity 1 Stranding 3 wires twisted Wise arrangement Traversing distance (C-track) 10 mg 25 °C prior travel Shore hardness glacket DIN EN 81076-2-101 (M12) Tolerance outer diameter (sheath) \$1	•	
endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12) Installation Cable Cable Ingel Cable (Ingel Cable Ingel Cable In	Note on strain relief	
Product standard DIN EN 81076-2-101 (M12)	Note on bending radius	
Cable Installation Cable 636 Cable Intipe 3 Printing color of wire insulation white (solation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted Wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56.1 g/m Malertal jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 10 m @ 25 °C horizontal Cuber diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Outer diameter (jacket) 5.9 mm Tolerance outer diameter (jacket) 5.9 mm Outer diameter (jacket) 5.5 mm Outer diameter (jacket) 5.5 mm Outer diameter (jacket) 1.85 mm Outer diameter (jacket) 1.5 5 mm Outer diameter	Conformity	
Cable Identification 636 Cable Type 3 Printing color of wire insulation white (solation black) Jacket Color black Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigh 56.1 g/m Material packet PUR Fioredom from ingredients (jacket) 90 ± 5 Shore A Fioredom from ingredients (jacket) 5.9 mm Tolerance outer diameter (sheath) 5.9 mm Tolerance outer diameter insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter insulation 2,5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Uniter diameter insulation 45 % Shore hardness wire insulation 70 ± 5 Shore D Uniter diameter oterance core insulation 45 % Shore largness wire insulation 70 ± 5 Shore D	Product standard	DIN EN 61076-2-101 (M12)
Cable Type 3 Printing obor of wire insulation white (isolation black) Jacked Cofor black Type of Certificate cURius Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56.1 g/m Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingedients (jacket) 90 ± 5 Shore A Freedom from ingedients (jacket) 5.9 mm Outer diameter (jacket) 5.9 mm Tolerance outer dameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter tolerance core insulation ± 5 % Ingredient (reeness wire insulation 70 ± 5 Shore D Ingredient (reeness wire insulation 1.85 mm Ingredient (reeness wire insulation) 42 Diameter of single wires 0.15 mm Conductor tyre (wire) 42 Diameter of single	Installation Cable	
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Jacket Color	**	white (isolation black)
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wire arrangement black 1, black 2, green-yellow Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 56,1 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) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation ± 5 % Shore Pardness wire insulation ± 5 % Shore Pardness wire insulation ± 5 % Shore Indignetient freeness wire insulation ± 5 % Printing color of wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0.75 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 <	Stranding	3 wires twisted
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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) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor vive Stranded copper wire, bare Conductor vive Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency with	Cable weigth	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	<u> </u>	90 ± 5 Shore A
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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 Ingredient freeness wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s Min. operating temperature (static) 40 °C	<u> </u>	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 3 Outer diameter insulation 1,85 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 Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 win. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 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) <t< td=""><td>Outer-diameter (jacket)</td><td>5,9 mm</td></t<>	Outer-diameter (jacket)	5,9 mm
Amount wires 3 Outer diameter insulation 1,85 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 Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 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 UV resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,85 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 Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0.15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - wire) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance </td <td>Material wire insulation</td> <td>PP</td>	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 Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - aicket) 2,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Amount wires	3
Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 40 °C Max. 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) 1N EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Outer diameter insulation	1,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - acket) 40 °C Max. 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 UV resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Outer diameter tolerance core insulation	±5%
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Shore hardness wire insulation	70 ± 5 Shore D
Printing color of wire insulation white (isolation black) Amount strands (wire) 42 Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - lacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,15 mm Conductor crosssection (wire) 0,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 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 Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Printing color of wire insulation	
Conductor crosssection (wire) O,75 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 min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2.5 kV @ 60 s Power frequency withstand voltage (wire - iacket) inchest) 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) BO °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Amount strands (wire)	42
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 12 A Electrical resistance line constant wire 26 \(\Omega / \text{km} \) \(\omega 20 \circ \) AC withstand voltage (wire - wire) 2,5 kV \(\omega 60 \) s Power frequency withstand voltage (wire - iacket) Min. operating temperature (static) 40 \(^{\text{C}} \) Max. operating temperature (fixed) 80 \(^{\text{C}} / 90 \circ \omega 10000 \) h Operation Operating temperature max. (dynamic) 80 \(^{\text{C}} / 90 \circ \omega 10000 \) h Operation UV resistance IEC 60332-2-2 UL 1581 \(^{\text{S}} \) 1100 FT2 UL 1581 \(^{\text{S}} \) 1090	Diameter of single wires	0,15 mm
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 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Conductor crosssection (wire)	0,75 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - jacket) 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 12 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - ajacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) BO °C / 90 °C @ 10000 h Operation OV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Conductor type (wire)	strand class 6
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Nominal voltage AC max.	300 V
Current load capacity min. wire 12 A Electrical resistance line constant wire 26 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 26 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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Current load capacity min. wire	12 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) B0 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) B0 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Electrical resistance line constant wire	26 Ω/km @ 20 °C
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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
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 UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
UV resistance DIN EN ISO 4892-2 A Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Operating temperature min. (dynamic)	-25 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
	UV resistance	DIN EN ISO 4892-2 A
chemical resistance Good, application-related testing	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
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
Torsion speed	35 cvcles/min