

M12 female 0° A-cod. with cable shielded

PVC 4x0.34 shielded bk UL/CSA 7.5m

Female straight M12, 4-pole shielded

with cable sleeves

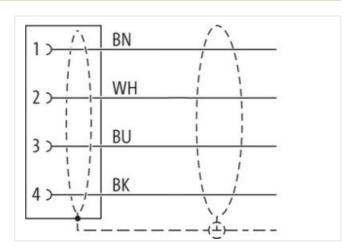
Plastic housings with good resistance against chemicals and oils.

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

7,5 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: 2024-05-03



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
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
customs tariff number	85444290
GTIN	4048879902465
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 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
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
	inserted several
Additional condition protection degree Pollution Degree	inserted, screwed 3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	1,0 00
	'
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.
Conformity	
Conformity Product standard	DIN EN 61076-2-101 (M12)



stay	connected
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Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7	Cable identification	179
Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Shore (type 1) 4 Outer diameter (type (type 2) 5 Amount wire (type 2) 4 Outer diameter (type 2) 4 Amount wire (type 2) 4 Outer diameter (type 2) 5 Shore business wire insulation (type 2) 5	Jacket Color	green
Branding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filler yes wire arrangement brown, while, red, blue, pink, gray, yellow, green Cable weigh 60.5 g/m Material jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Quer-diameter (jacket) 6.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.1 mm Outer diameter insulation 5 5 % Shore hardness wire insulation 5 5 * Shore D Ingredient Reeness wire insulation 5 5 * Shore D Ingredient Reeness wire insulation 5 5 * Shore D Ingredient Reeness wire insulation 5 5 * Shore D Ingredient Reeness wire insulation 5 2 * Shore D Ingredient Reeness wire insulation 5 2 * Shore D Value diameter (sheath) <t< td=""><td>Type of Certificate</td><td>cURus</td></t<>	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weight 60,5 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (seath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Nord reliameter tolerance core insulation ± 5 % Nord reliameter insulation ± 5 % Outer diameter tolerance swire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Nord of single wires ± 4 AWG Conductor crossess wire insulation ± 5 % Ingredient freeness wire insulation text wires, experience, expe	Amount stranding	2
Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weight 60,5 g/m Material Jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Cuter-diameter (glacket) 6.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation 1,1 mm Outer diameter tolerance core insulation 5.5 Shore D Ingredient freeness wire insulation 5.5 ± 5 Shore D Ingredient freeness wire insulation 5.4 AWG Conductor crosssection (wire) 24 AWG Conductor or crosssection (wire) 24 AWG Conductor or crosssection (wire) 24 AWG Coursent load capacity (standard) to DIN VDE 0298 4 Current load capacity (standard) to DIN VDE 0298 4	Stranding	2 wires twisted
Feece Filler Yes Yes	Amount stranding (type 2)	1
Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weight 60.5 g/m Material jacket PVC Shore hardness jacket 92.1 Shore A Freedom from ingredients (jacket) 16.1 mm Tolerance outer diameter (sheath) 1.5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.1 mm Outer diameter insulation 1.1 mm Outer diameter insulation 1.1 mm Shore hardness wire insulation 55 ± 5 Shore 0 Ingredient freeness wire insulation 1.4 mm Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crossection (wire) 24 AWG Conductor orassection (wire) 24 AWG Material conductor wire copper stranded wire, inned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.6 A Characteristic impedance 100 Ω Elect	Stranding (type 2)	2 Stranded joints with Filler twisted
virus arrangement Virown, white, red, blue, pink, gray, yellow, green	Banding	Fleece
Cable weight 60.5 g/m Material jacket PVC Shore hardness jacket 92.± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation 1,1 mm Outer diameter tolerance core insulation 2.5 % Shore hardness wire insulation 55.± 5 Shore D Ingredient freeness wire insulation 55.± 5 Shore D Ingredient freeness wire insulation 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire 20 peer stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity min. wire 3.6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0.5 kV @ 60 s Electric capacitance 40 °C Max. opera	Filler	yes
Material jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter Insulation 1,1 mm Outer diameter Insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 54 ± 8 Shore D Ingredient freeness wire insulation 7 Ingredient freeness wire insulation 54 ± 8 Shore D Ingredient freeness wire insulation 54 ± 8 Shore D Ingredient freeness wire insulation 54 ± 8 Shore D Ingredient freeness wire insulation 54 ± 8 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1.1 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crossection (wire) 24 AWG Conductor wire copper stranded wire, finned 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 3.6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0.5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire w	Cable weigth	60,5 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (vire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal vollage 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) 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequenc	Material jacket	PVC
Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter Insulation 1,1 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned 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) 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - inclass) 0,5 kV @ 60 s Min. operating te	Shore hardness jacket	92 ± 3 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Dameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity frain, wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric apacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 0,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) .5 °C Operating temperature min. (dynamic) .5 °C Piame resistance Good, application-related testing Oil resistance <td>Outer-diameter (jacket)</td> <td>6,1 mm</td>	Outer-diameter (jacket)	6,1 mm
Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 15 ± 5 Shore D Ingredient Treeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned 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 (win- wire) 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 D/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 0,5 kV @ 60 s Electric pacpacitance 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (static) -5 °C Operat	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - iacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (inc. (dynamic) -5 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 15	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Dameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - ajacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL	Amount wires	4
Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric apacitance 49000 pF/km Power frequency withstand voltage (wire - iacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (mixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance	Outer diameter insulation	1,1 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric apacitance 49000 pF/km Power frequency withstand voltage (wire - do so	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - inacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3.6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric apacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Ending radius (fixed) x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flamer resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 x Outer diameter	Amount strands (wire)	7
Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Diameter of single wires	24 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Conductor crosssection (wire)	24 AWG
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Material conductor wire	copper stranded wire, tinned
Current load capacity min. wire 3,6 A Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Nominal voltage AC max.	300 V
Characteristic impedance 100 Ω Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
Electrical resistance line constant wire 87 Ω/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 × Outer diameter	Current load capacity min. wire	3,6 A
AC withstand voltage (wire - wire) O,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -40 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 x Outer diameter	Characteristic impedance	100 Ω
Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Electrical resistance line constant wire	87 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	AC withstand voltage (wire - wire)	0,5 kV @ 60 s
jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Electric capacitance	49000 pF/km
Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter		0,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Operating temperature max. (dynamic)	70 °C
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 7 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 7 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (installation)	x Outer diameter
Bending radius (dynamic) 12 x Outer diameter	Bending radius (fixed)	7 x Outer diameter
	Bending radius (dynamic)	12 x Outer diameter