

M12 female 90° A-cod. with cable shielded

PVC 4x0.34 shielded bk UL/CSA 35m

Female 90° M12, 4-pole shielded

with cable sleeves

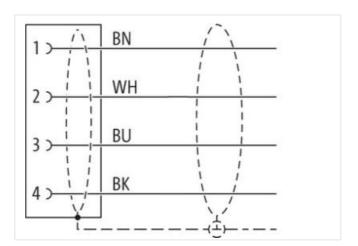
Plastic housings with good resistance against chemicals and oils.

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

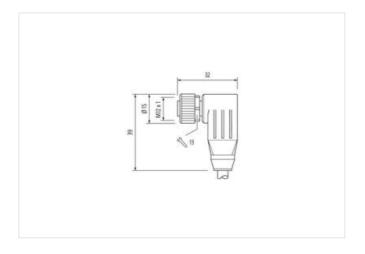
Link to Product

Illustration









Product may differ from Image













Cable length

35 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: 2024-05-20



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	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	4048879780087
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	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I .
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	
Product standard	DIN EN 61076-2-101 (M12)
Installation Cable	

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: 2024-05-20



stay	connected
stay	connectea

Cabb is destrification 179 Jacked Color green Type of Certificate cuPlus Amount stranding 2 Stranding 2 vires livelated Annount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filler yes wire arrangement brown, white, red. blus, prink, gray, yellow, green Cable weight 60.5 p/m Material jacket PVC Shore hardness jacket 92.2 Shore A Freedom from Ingredients (jacket) 16.1 mm Coler-diameter (jacket) 16.1 mm Tolerance outer diameter (jacket) 1.5 mm Tolerance outer diameter (jacket) 1.1 mm Outer diameter (jacket) 1.5 mm Outer diameter (jacket) 5.5 % Shore hardness wire insulation 55 % Shore hardness wire insulation 55 % Shore hardness wire insulation (jacket) 24 AWG Conductor crosssection (wire) 24 AWG Conductor wire 24 AWG	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Type of Certificate	Cable identification	179
Amount stranding 2 Stranding 2 awires twisted 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 Cabbe weight 60,5 g/m Matorial jacket PVC Shore hardness jacket PVC Fleedon from inpredients (jacket) 6,1 mm Tolerance outer diameter (jacket) 6,1 mm Tolerance outer diameter (jacket) 6,1 mm Ametrial wire substation PP Amount wires Anount stranding PP Anount wires Anount stranding (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Conductor wire consideration in DIN VDE 0298-4 Current load capacity (sinandard) in DIN VDE 0298-4 Current load capacity (wire-wire) 3,6 A Characteristic impedance 100 D Electrical capacitance 400 C Max. operating temperature (skalic) 40 °C Max. operating temperature (skalic) 40 °C Max. operating temperature (skalic) 40 °C Electrical resistance UL 1518 1100 FT2 UL 1581 100 FT2 UL 1581 100 Ft3 100 Ft3	Jacket Color	green
Stranding 2 wires twisted	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filter twisted Banding Floeco Filter yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weight 60.5 g/m Material placket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 6.1 mm Toterance outer damater (sheath) ± 5 % Material wire insulation PP Amount wires 4 Cuter diameter tolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Material wire of single wires ± 4 AWG Conductor crosssection (wire) ± 4 AWG Conductor crosssection (wire) ± 4 AWG Conductor crosssection (wire) ± 4 AWG Current load capacity (as nature) ± 0 DIN VDE 0298-4 Current load capacity (as nature) <	Amount stranding	2
Stranding (type 2) 2 Stranded joints with Fillier twisted	Stranding	2 wires twisted
Banding Fleece Filler yes Filler yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weigth 60.5 g/m Material jacket PVC Shore hardness jacket 92.3 Shore A Freedom from ingredients (jackot) lead free, cadmium free, CFC-free Outer-diameter (gacket) 6.1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 25 ± 5 Shore D Inameter of single wires 24 AWG Conductor crossection (vire) 24 AWG Material conductor wire 24 AWG Nominal voltage AC max. 300 V Current load capacity grin, wire 3.6 A Current load capacity grin, wire 3.7 Okm @ 20 °C AC withstand voltage (wire vire) 3.5 kV @ 60 °c	Amount stranding (type 2)	1
Filter yes yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Cable weigh 60,5 g/m	Stranding (type 2)	2 Stranded joints with Filler twisted
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) 10 deaf-free, cadmium-free, CFC-free Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Cluer diameter insulation 1,1 mm Outer diameter insulation 1,1 mm Outer diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1,1 mm Outer diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 1 seaf-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Conductor wire copyer stranded wire, tinned Nominal voltage AC max. 300 V Current load capacity fish univer 3,8 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 - wire) 10,5 kV @ 60 s Electric capacitance (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) 70 °C Fiame resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixetallation) x ∪ terr diameter Bending radius (fixetallation) x ∪ terr diameter	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 insulation 1.1 mm Outer diameter insulation 55 % Shore hardness wire insulation 55 % Shore hardness wire insulation 55 % Shore D Ingredient freeness wire insulation 82 % Shore D Ingredient freeness wire insulation 82 % Shore D Ingredient freeness wire insulation 82 4 AWG Conductor crossection (wire) 24 AWG Conductor crossection (wire) 24 AWG Conductor crossection (wire) 24 AWG Namial vollage AC max. 300 V Current load capacity min. wire 3,6 A Characteristic impedance 100 N DE 0298-4 Current load capacity min. wire 3,6 A Characteristic impedance 100 O D	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 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 of vires (wire) 24 AWG Material conductor wire (wire) 24 AWG Material 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 Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km	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 % Matorial wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 16 ± 4 Fee, 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	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 ± 5 % Ingredient freeness wire insulation ± 5 % Ingredient freeness wire insulation 15 ± 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, finned 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 Electric a resistance line constant wire 87 Ωkm @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacita	Material jacket	PVC
Outer-diameter (jacket) 6,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter lolerance core insulation 1,1 mm Outer diameter lolerance 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) 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) 0,5 kV @ 60 s Min. operating te	Shore hardness jacket	92 ± 3 Shore A
Tolerance outer diameter (shealth)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation PP	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 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 - inacket) 0,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature min. (dynamic) -5 °C Flame resistance Good, application-related testing	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 Onductor crosssection (wire) 24 AWG Material conductor wire opper 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 min. wire 3.6 A Characteristic impedance 100 \(\Omega \) Electrical resistance line constant wire 87 \(\Omega \) km \(\Omega \) 00 \$\text{C}\$ AC withstand voltage (wire - wire) 0.5 kV \(\Omega \) 60 \$\text{S}\$ Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - jacket) 0.5 kV \(\Omega \) 60 \$\text{S}\$ Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (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 Bending radius (fixed) 7 × Outer diameter	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 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 (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1000 IEC 60332-2-2 chemical resistance	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 (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 (init (w)) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application	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 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 - giacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (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 Ending radius (fixed) 7 × Outer diameter	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) 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) 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 Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 7 × 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 capacitance 49000 pF/km Power frequency withstand voltage (wire - iacket) 0.5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature min. (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	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 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	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 - inches with a comparison of the c	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 Oil 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 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 (installation) x Outer diameter Bending radius (fixed) 7 x 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) Max. operating temperature (fixed) Operating temperature min. (dynamic) 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 DIN EN 60811-404 Bending radius (installation) x Outer diameter 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) 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 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) 80 °C 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	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) 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	Min. operating temperature (static)	-40 °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	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 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