

M12 female 0° A-cod. with cable shielded

PVC 4x0.34 shielded bk UL/CSA 5m

Female straight M12, 4-pole shielded

with cable sleeves

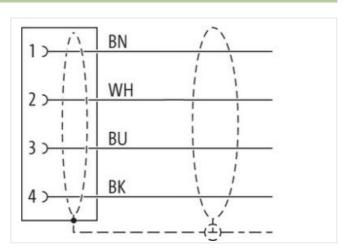
Plastic housings with good resistance against chemicals and oils.

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

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: 2024-05-18



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-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	4048879626743
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.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.
Note on bending radius Conformity	endangered by excessive bending forces.
Note on bending radius	



stay	connected
stay	connectea

Cable Identification 179 Jacket Cloir groon Type of Certificate CURus Amount stranding 2 Stranding 2 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filter twisted Banding Flaece Filter yes wire arrangement brown, white, red, blue, prik, gray, yellow, green Gable weight 50.5 pm Malerial jacket PVC Shore hardness jacket 92.2 Shore A Freedom from ingredients (jacket) 65.7 mm Tolerance outer fameter (sheath) 5.5 mm Tolerance outer fameter (sheath) 5.5 % Material wire insulation PP Amount vitres 4 Outer diameter insulation 1,1 mm Outer diameter insulation 1,5 % Shore brackiness wire insulation 5.5 % Shore brackiness wire insulation 1,6 % Ingredient Freeness wire insulation 1,6 % Ingredient Freeness wire insulation 5.5 %	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Type of Certificate	Cable identification	
Type of Certificate	Jacket Color	green
Amount stranding 2	Type of Certificate	
Amount stranding (type 2) 1 Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleoco Filler yes wire arrangement bown, white, red, blue, pink, gray, yellow, green Gable 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 4 4 4 4 4 4 5 ± 5 % Material wire insulation PP Amount wires 4 Amount strands (wire) 7 Diameter of single wires Conductor drasses wire insulation 1,1 mm Outer diameter insulation 5 ± 5 Shore D Ingredient freeness wire insulation 1 sead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 7 Diameter of single wires 24 AWG Material conductor wire copper stranded wire, linned Material conductor wire 2 Shore 2 Shore 2 Shore 2 Shore 2 Shore 3 Shore 2 Shore 3 Sho	Amount stranding	2
Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filter yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Gable weight 60,5 g/m Material jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) 16 nm Outer-diameter (jacket) 6,1 nm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter insulation 5 ± 5 Shore D Ingredient freeness wire insulation 5 ± 5 Shore D Ingredient freeness wire insulation 5 ± 4 AWG Demarter of single wires 24 AWG Conductor crossection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max 300 V Current load capacity (islandard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic incepacine 100 Ω	Stranding	2 wires twisted
Stranding (type 2) 2 Stranded joints with Filler twisted Banding Fleece Filter yes wire arrangement brown, white, red, blue, pink, gray, yellow, green Gable weight 60,5 g/m Material jacket PVC Shore hardness jacket 92 ± 3 Shore A Freedom from ingredients (jacket) 16 nm Outer-diameter (jacket) 6,1 nm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter insulation 5 ± 5 Shore D Ingredient freeness wire insulation 5 ± 5 Shore D Ingredient freeness wire insulation 5 ± 4 AWG Demarter of single wires 24 AWG Conductor crossection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max 300 V Current load capacity (islandard) to DIN VDE 0298-4 Current load capacity min. wire 3,6 A Characteristic incepacine 100 Ω		1
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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 Section will be proceed from predients (jacket) 6,1 mm Collegate (jacket) 7 mm Collegate (jacket) 8 mm Collegate (jacket) 9		·
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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 % Amount wires 4 Outer diameter insulation 1.1 mm Outer diameter rolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation 1.1 mm Ingredient freeness wire insulation 1.2 % Ingredient freeness wire insulation 1.2 % WG Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire copper stranded wire, tinned Nominal voltage AC max. 300 Y Current load capacity fistandard) 10 DIN VIDE 0298-4 Current load capacity wire. wire 3.6 A Characteristic impedance 100 Ω Electric capacitance line c	wire arrangement	
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Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free		92 ± 3 Shore A
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 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 - wire) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature max	•	
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Quiter diameter insulation 1,1 mm Outer diameter tolerance core insulation 55 ± 5 Shore D 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 inin. 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 - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 0.5 kV @ 60 s 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 Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 v Couter diameter Bending radius (fixed) 7 v Couter diameter	Outer-diameter (jacket)	
Material wire insulation PP Amount wires 4 Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 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 crossection (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 - wire) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 8	Tolerance outer diameter (sheath)	·
Outer diameter insulation 1,1 mm Outer diameter tolerance core insulation 55 ± 5 Shore D Ingredient freeness wire insulation Ingredient freeness insulceness wire insulation Ingredient freeness insulceness insu	Material wire insulation	
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 wini. 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 - lacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) 40 °C Operating temperature (min. (dynamic) -5 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 109 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 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 - ajacket) 0,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -5 °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 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 - ack of the constant wire) 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 Eleding radius (fixed) 7 × Outer diameter Bending radius (fixed) 7 × Outer diameter	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 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 C/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 × Outer diameter	Shore hardness wire insulation	55 ± 5 Shore D
Amount strands (wire) 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 C/km @ 20 °C AC withstand voltage (wire - wire) 0,5 kV @ 60 s Electric capacitance 49000 pF/km Power frequency withstand voltage (wire - wire) 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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7 × 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)	
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 - ack of the companies	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 - apacket) 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	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) - 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 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 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 - incident of the properties of the propertie	Current load capacity min. wire	3,6 A
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 temperature (static) 40 °C Max. operating temperature (fixed) Operating temperature (fixed) 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 Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter 8ending 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) 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) 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	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	Power frequency withstand voltage (wire - jacket)	0,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature temperature max. (dynamic) Operating temperature temperatu	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 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