

M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 0.3m

PROFIBUS

Female 90°

M12, 2-pole

B-coded

shielded

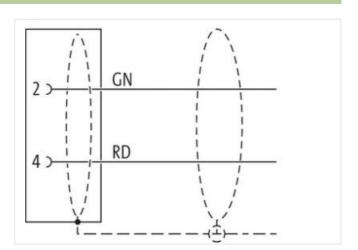
Plastic housings with good resistance against chemicals and oils.

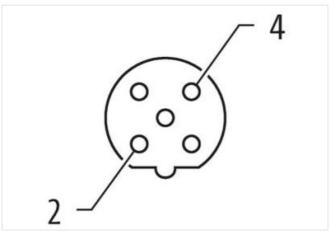
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

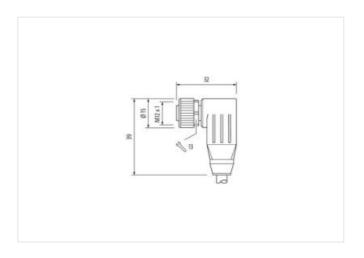
Link to Product

Illustration









Product may differ from Image













Cable length

0,3 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	В
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27061801
ECLASS-6.1	27060307
ECLASS-7.0	27060307
ECLASS-8.0	27060307
ECLASS-9.0	27060307
ECLASS-10.1	27060307
ECLASS-11.1	27060307
ECLASS-12.0	27060307
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879419130
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)	1
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)



stay connected

Cable identification 840 Jacket Color violet Joseph Color violet Joseph Color violet Joseph Color Joseph Colo	Installation Cable	
Jacket Color	Cable identification	840
Type of Certificate cURs Amount stranding 1 Stranding 2 wiss twisted Cabbe shielding (coverage) 70 % Banding Piecoc, Foll wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Gabbe weight 82,5 g/m Material placket TPE-V Freedom from ingredents (packet) 7,8 mm Tolerance outer diameter (packet) 7,8 mm Tolerance outer diameter (packet) 7,8 mm Tolerance outer diameter (packet) 15 % Cotor (inner jacket) white Amount wires 2 Culter diameter (berance over insulation 2,55 mm Outer diameter insulation 2,55 mm Outer diameter (berance over insulation 1,5 % Ingredient freeness wire insulation 2,4 M/G Conductor crosssection (wire) 19 Diameter of single wires 24 AW/G Conductor crosssection (wire) 24 AW/G Material conductor wire Stranded copper wire, bare Nominal voltage (a pac		
Ämbount stranding 1 Stranding 2 wires twisted Cable sheiding (type) copper braid, tinned Cable sheiding (coverage) 70 % Banding Fleece, Foll wire arrangement red., green Traversing distance (C-track) 5 m @ 25 °C) Invitorital Cable weight 82 5 g/m Material jackot TPE-V Freedom from Ingredients (gacket) lead-free, cadmium-free, CPC-free, halogen-free Cuber diameter (sleaket) 7,8 mm Tolerance outer diameter (shealth) ± 5 % Material inner jacket TPE- V Material inner jacket TPE- V Color (inner jacket) white Amount wires 2 2 Couter diameter insulation 2,5 % mm Outer diameter (shear) 2,5 % mm Outer diameter (shear) 2,4 AWG Outer diameter (shear) 1,5 % Maus (shear) 1,5 %		
Stranding		
Cable shielding (type) copper braid, finned Cable shielding (coverage) 70 % Gable shielding (coverage) 70 % Banding Fleece, Foll wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigth 82,5 g m Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,8 m Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount viers 2 Outer diameter insulation ± 5 % Ingredient freeness wire insulation ± 6 % Ingredient freeness wire insulation <td></td> <td>·</td>		·
Cable shielding (coverage) 70 % Banding Fleece, Foll wive arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigh 82,5 g/m Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Armount wires 2 Quiter diameter insulation 2,55 mm Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation ± 5 % Diameter of single wires 24 AWG Conductor crosssection (wire) ± 4 AWG Material conductor wire Straded copper wire, bare Nominal voltage AC max. 250 V Current load capacity firm. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - shield)		
Banding Fleece, Foil wire arrangement red, green Travarsing distance (C-track) 5 m Ø 25 °C horizontal Cable weigth 82,5 g/m Material jacket TPE-V Freedom from ingredients (jacket) 7,8 mm Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation 15 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crossection (wire) 24 AWG Conductor rossection (wire) 24 AWG Coursent load capacity (standard) 10 DIN VDE 2098-4 Current load capacity (standard) 10 DIN VDE 2098-4 Current load capacity (standard) 10 DIN VDE 2098-4 AC withstand voltage (wire - wire) 1 kV Ø 60 s Flectrical resistance (static) <td< td=""><td></td><td></td></td<>		
wire arrangement red, green Traversing distance (C-track) 5 m @ 25°C horizontal Cable weight 82.5 g/m Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter insulation 2,55 mm Outer diameter ore orce insulation 1.5 % Impredient freeness wire insulation 1.9 Jameter of single wires 2.4 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal vollage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 1 kV @ 60 s Electrical resistance line constant wire 7 β Ω/km @ 60 s Electrical presenture (wire v- wire) 1 kV @ 60 s	-	
Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 82.5 g/m Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7.8 mm Tolerance outer diameter (sheath) 2.5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation 15 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of siloge wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/rm @ 20 °C AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (fixed) 40	·	· · · · · · · · · · · · · · · · · · ·
Cable weigth 82,5 g/m Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,8 mm Tollerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Unter diameter loterance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity standard) to DIN VDE 0298-4 Current load capacity win, wire 3 A Electrical resistance line constant wire 78 0km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical resistance line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - shield)<		
Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter lorerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 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 A Electrical resistance line constant wire 78 Qkm @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s Min. operating temperat		
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter insulation 2,55 mm Under diameter insulation 1,5 % Ingredient freeness wire insulation 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Conductor vires Stranded copper wire, bare Nominal voltage & Cmax 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 1 kV @ 60 s Electrical resistance line constant (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (wi		
Outer-diameter (jacket) 7,8 mm Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - shield) 1 kV @ 60 s Mn. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature min. (dynamic)	·	
Tolerance outer diameter (sheath) ± 5 % Material inner jacket TPE-V Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter insulation ± 5 % Ingredient freeness wire insulation blead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to IDIN VDE 0298-4 Current load capacity (ine constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - shield) 1 kV @ 60 s Electrical capacity (standard) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter		·
Material inner jacket TPE-V White Amount wires 2 Color (inner jacket) White Amount wires 2 Color (inner jacket) White Amount wires 2 Color (inner insulation 2.55 mm Colurer diameter insulation ±5 % Ingredient freeness wire insulation indeed-free, CFC-free, halogen-free Amount strands (wire) 19 Color (inner insulation indeed-free) ingredient freeness wire insulation indeed-free ind	,	`
Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ±5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity inin- wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s Electrical capacity withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C <td< td=""><td></td><td></td></td<>		
Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - space) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature (max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090	<u> </u>	
Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) -20 °C Operating temperature (min. (dynamic) -20 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332		
Outer diameter tolerance core insulation ± 5 % Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 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 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - wire) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (dynamic) 12 x Outer diameter		
Ingredient freeness wire insulation lead-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 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 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - in kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resistance Bending radius (fixed) 12 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		<u> </u>
Amount strands (wire) Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 EC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Ending radius (fixed) 10 x Outer diameter		
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - in kV @ 60 s Electrical capacity line constant (wire - wire) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter		
Conductor crosssection (wire) Authorization conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km 1 kV @ 60 s 1 kV @ 60 s 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withst		
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 × Outer diameter Bending radius (dynamic) 12 × Outer diameter		
Nominal voltage AC max. 250 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Current load capacity min. wire 3 A Electrical resistance line constant wire 78 \(\Omega \) / / (Mrr \(\omega \) 20 °C AC withstand voltage (wire - wire) 1 kV \(\omega \) 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV \(\omega \) 60 s AC withstand voltage (wire - shield) 1 kV \(\omega \) 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 \(\gred \) 1100 FT2 IEC 60332-2-2 UL 1581 \(\gred \) 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
Electrical resistance line constant wire 78 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1 kV @ 60 s Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - included in its provided in it		
AC withstand voltage (wire - wire) Electrical capacity line constant (wire - wire) Source frequency withstand voltage (wire - wire) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) Bending radius (dynamic) 12 x Outer diameter	Current load capacity min. wire	
Electrical capacity line constant (wire - wire) 30000 pF/km Power frequency withstand voltage (wire - jacket) 1 kV @ 60 s AC withstand voltage (wire - shield) 1 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Electrical resistance line constant wire	-
Power frequency withstand voltage (wire - jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) AC o o c Max. operating temperature min. (dynamic) Operating temperature min. (dynamic) 70 o c Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - wire)	1 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) AC o°C Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Occ Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Electrical capacity line constant (wire - wire)	30000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Power frequency withstand voltage (wire - jacket)	1 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	1 kV @ 60 s
Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 20 °C CO Derating temperature min. (dynamic) 70 °C Good, application-related testing Good, application-related testing DIN EN 60811-404	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature min. (dynamic)	-20 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 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 (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
	Bending radius (fixed)	10 x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C	Bending radius (dynamic)	12 x Outer diameter
	Travel speed (C-track)	5 Mio. @ 25 °C