

## M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 7.5m

**PROFIBUS** 

Female 90°

M12, 2-pole

B-coded

shielded

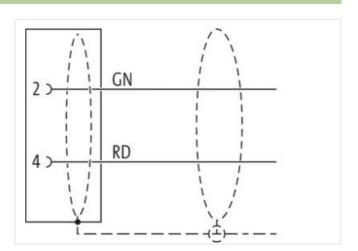
Plastic housings with good resistance against chemicals and oils.

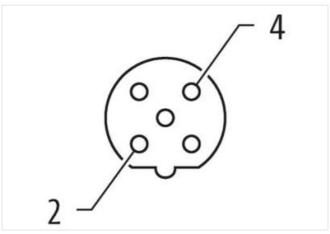
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

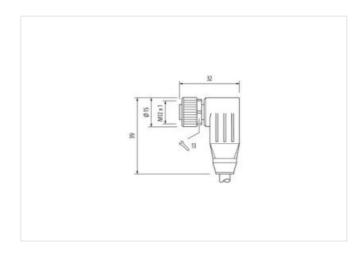
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

7,5 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	4048879197915
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 viole Jacket Color viole Jorden Jord	Installation   Cable	
Jacket Color	·	840
Type of Certificate         cURus           Amount stranding         1           Stranding         2 wise twisted           Cable shielding (overrape)         70 %           Bandring         Pieces, Foll           wire arrangement         red, green           Cable weight         82,5 g/m           Material jacket         TPE-V           Freodom from ingradients (gacket)         load-free, cadmium-free, CPC-free, halogen-free, silicone-free           Outer-diameter (gacket)         7,8 mm           Folorance outer diameter (schealth)         1,5 %           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 insulation         2,55 mm           Outer diameter freeness wire insulation         2,4 MG           Ingredient freeness wire insulation         2,5 mm           Outer diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor vire         5 Marcial conductor wire           Traversing distance (C-track)         5 m 25 CV horizontal           Nominal vo		
Amount stranding 1 Siranding (bype) copper braid, timed Cable shielding (coverage) 70 % Sable shielding (coverage) 70 % Sable shielding (coverage) 70 % Sanding Fleece, Foil Wire arrangement red, green Cable weigh 82,5 gm Material jacket TPE-V Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-climater (jacket) 7,8 mm Tolarance outer diameter (sheath) 1,5 % Material inner jacket TPE-V Color (rinner jacket) 1,5 % Material inner jacket TPE-V Color (rinner jacket) white Material inner jacket TPE-V Color (rinner jacket) white Material inner jacket TPE-V Color (rinner jacket) 1,5 % Material jacket TPE-V Color (rinner jacke		
Stranding         2 wires twisted           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         70 %           Banding         Fleece, Foil           wire arrangement         red, green           Cable weight         82,5 g/m           Material jacket         TPE-V           Freedom from ingredients (jacket)         7,8 mm           Tolerance 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           Outer diameter insulation         2,5 % mm           Outer diameter insulation         2,5 % mm           Outer diameter (viere)         19           Diameter of single wires         24 AWG           Confluctor crosssection (wire)         19           Diameter of single wires         24 AWG           Conductor vire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage &C max.         250 V     <		
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         70 %           Banding         Fleece, Foll           wire arrangement         red, green           Cable weight         82,5 g/m           Material jacket         TPE-V           Freedom from ingredients (jacket)         lead-free, cadmium-free, OFC-free, halogen-free, silicone-free           Outer diameter (jacket)         7,8 mm           Tolerance outer diameter (health)         ± 5 %           Material inner jacket         TPE-V           Color (inner jacket)         white           Manual wires         2           Outer diameter insulation         2,55 mm           Outer diameter tolerance core insulation         1,50 mm           Ingredient freeness wire insulation         1,60 mm           Ingredient freeness wire insulation         1,60 mm           Conductor crossess wire insulation         1,60 mm           Ingredient freeness wire insulation         1,60 mm           Conductor crossess wire insulation         1,60 mm           Conductor crossess wire insulation         1,60 mm           Conductor crossess wire insulation         1,60 mm           Conductor crossessection (wire)         24 AWG           Conductor crossessection		
Cable shielding (coverage)         70 %           Banding         Fleece, Foll           wive arrangement         red, green           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           Tolerance outer diameter (jacket)         7,8 mm           Material inner jacket         TPE-V           Color (inner jacket)         white           Amount wives         2           Outer diameter insulation         2,55 mm           Outer diameter tolerance core insulation         1 so %           Ingredient feeness wire insulation         1 ead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor wrier         Stranded copper wire, bare           Traversing distance (-C track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         250 V           Current load capacity firm, wire         3 A           Electrical resistance line constant wire         7 k V @ 60 s           Electrical capacity firm c		
Banding   Fleece, Foll		
wire arrangement         red, green           Gable 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           Toferance outer diameter (sheath)         ± 5 %           Material inner jacket         TPE-V           Color (inner jacket)         white           Amount wires         2           Outer diameter insulation         2,55 mm           Outer diameter rolerance core insulation         ± 5 %           Ingredient freeness wire insulation         19           Diameter of single wires         24 AWG           Conductor crosssection (vivie)         24 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 (standard)         to DIN VDE 029 °C           AC withstand voltage (wire - wire)         1 kV @ 60 s           Electrical resistance iine constant wire         78 Ω/m @ 20 °C<		
Cable weigth         82,5 g/m           Material jacket         TPE-V           Freedom from ingredients (jacket)         1,8 mm           Tolerance outer diameter (shealth)         ± 5 %.           Material inner jacket         TPE-V           Color (inner jacket)         white           Amount wires         2           Outer diameter insulation         2,55 mm           Outer diameter rolerance core insulation         ± 5 %           Ingredient freeness wire insulation         lead-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor cross-section (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         250 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (inin, wire)         3 A           Electrical resistance line constant wire         78 DXm @ 20 °C           AC withstand voltage (wire - shield)         1 kV @ 60 s           Electrical capacity line constant (wire - wire)         1 kV @ 60 s           Min. operating temperature (stac)         40 °C		· · · · · · · · · · · · · · · · · · ·
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 lolarance core 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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         250 V           Current load capacity min. 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)         1 kV @ 60 s           AC withstand voltage (wire - shield)         1 kV @ 60 s           AC w		
Freedom from ingredients (jacket)   lead-free, cadmilum-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         ± 5 %           Ingredient freeness wire 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           Conductor crosssection (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         250 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire) 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           Min. operating temperature (static)	·	
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 lolerance 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 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 (standard) 1 kV @ 60 s Electrical capacity 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 Max. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (mix. dynamic) 70 °C Operating temperature mix. (dynamic) 70 °C Operating temperature mix. (dynamic) 70 °C Gasoline resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 10 × Outer diameter		
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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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)         1 kV @ 60 s           Electrical capacity 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 min. (dynamic)         -20 °C		· · · · · · · · · · · · · · · · · · ·
Color (inner jacket) white Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation 1ead-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 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 vire 4 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 (min. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Elenting radius (fixed) 10 x Outer diameter  Bending radius (fixed) 10 x Outer diameter	. ,	
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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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)         30000 pF/km           Power frequency withstand voltage (wire - shield)         1 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   IEC 60332-2-2   UL		
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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         250 V           Current load capacity fixtandard)         to DIN VDE 0298-4           Current load capacity fixin 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)         0 °C           Operating temperature max. (dynamic)         70 °C           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance <td></td> <td></td>		
Outer diameter tolerance core insulation ± 5 % 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 Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 withstand voltage (wire - wire) 30000 pF/km Power 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 Max. 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   IEC 60332-2-2   UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resistance Bending radius (fixed) 10 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  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -20 °C  Ceraming 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		· · · · · · · · · · · · · · · · · · ·
Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 Electrical capacity line prenature (standard) 1 kV @ 60 s Max. operating temperature (fixed) 80 °C Max. 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 Oil resistance Good, application-related testing Ending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter		
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 - aiacket) 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 (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  Dil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter		
Conductor crossection (wire)  24 AWG  Material conductor wire  Stranded copper wire, bare  Traversing distance (C-track)  5 m @ 25 °C   horizontal  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)  Electrical capacity line constant (wire - wire)  Nowing this part of the wire with the wire wire with the wire wit		
Material conductor wire Stranded copper wire, bare  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 - iaket) 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  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature max. (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  Bending radius (fixed) 10 x Outer diameter  Bending radius (fixed) 10 x Outer diameter		
Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 - is 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  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	. , ,	
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 - incket) 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) 10 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 - iacket) 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 \( \Omega \) km \( \emptyre{0} \) 20 °C  AC withstand voltage (wire - wire) 1 kV \( \emptyre{0} \) 60 s  Electrical capacity line constant (wire - wire) 30000 pF/km  Power frequency withstand voltage (wire - iacket) 1 kV \( \emptyre{0} \) 60 s  AC withstand voltage (wire - shield) 1 kV \( \emptyre{0} \) 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 \( \frac{1}{2} \) 1100 FT2   IEC 60332-2-2   UL 1581 \( \frac{1}{2} \) 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 - jacket) 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) 10 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter		to DIN VDE 0298-4
AC withstand voltage (wire - wire)  1 kV @ 60 s  Electrical capacity line constant (wire - wire)  30000 pF/km  Power frequency withstand voltage (wire - incident)  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)  10 x Outer diameter  Bending radius (dynamic)  12 x Outer diameter	Current load capacity min. wire	3 A
Electrical capacity line constant (wire - wire) 30000 pF/km  Power frequency withstand voltage (wire - lacket) 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 (fixed)  Operating temperature min. (dynamic)  -20 o c  Operating temperature max. (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 withstand voltage (wire - shield)  Min. operating temperature (static)  AC or C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  AC or C  Operating temperature max. (dynamic)  AC or 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  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)  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	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