

M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG22 shielded vt UL/CSA+robot 10m

PROFIBUS

Female 90°

M12, 2-pole

B-coded

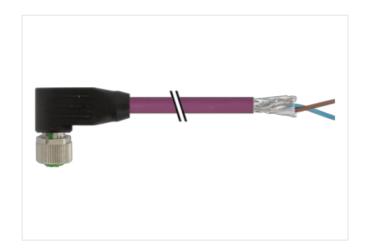
shielded

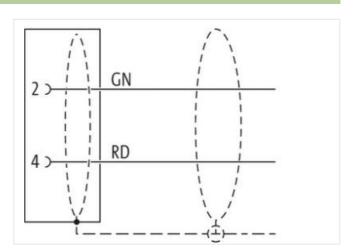
Plastic housings with good resistance against chemicals and oils.

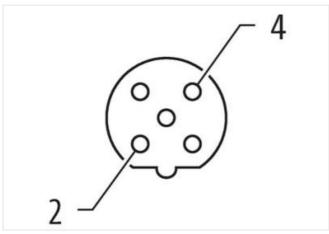
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

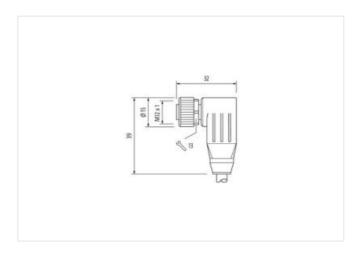
Link to Product

Illustration









Product may differ from Image













Cable length

10 m

Side 1



Tightening torque	0,6 Nm
	· · · · · · · · · · · · · · · · · · ·
Mounting method	inserted, screwed
Family construction form	M12 × 1
Thread	B B
Coding Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	11 00, 11 001, 11 07
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 Packaging unit	4048879480178 1
Packaging unit	<u> </u>
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	. •
	Directors the connectors by quitable managers from machinised leads as a by the years of cable tier
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.
Conformity	

Product standard

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: 2024-05-09

DIN EN 61076-2-101 (M12)



stay connected

Cable Identification 843 Jacket Color green Type of Certificate CIPRus Amount stranding 1 Standing 2 wires with 2 Filler twisted Cable shielding (overage) 85 % Banding Fleece, Foil Filler yes Drain wire (cross-section) 0,14 mm² wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m @ 25 °C horizontal Sable weight 78.2 gm Material jacket PUR Freedom from ingredients (jacket) 10 m @ 25 °C horizontal Durber diameter (jacket) 13 m m Tolder-diameter (jacket) 13 m Oburber-diameter (jacket) 1 m Under-diameter (jacket) 1 m Oburber-diameter (jacket) 2 m Under diameter (jacket) 2 m Under di	Installation Cable	
Type of Certificate Windows instrainding 1	Cable identification	843
Type of Certificate Windows instrainding 1		
Amount stranding 1 Stranding 2 wires with 2 Filler twisted Sable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes Drain wise (cross-saction) 0,14 mm² wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m @ 25 °C hortzontal Sable weight 73 2 g/m Malarial jackst PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (sheeth) 5 5 % Material wire insulation PP Material wire insulation PP Obter diameter insulation 2,6 mm Duter diameter insulation 2,5 mm Duter diameter insulation 5 5 · 5 Shore D Ingredient feeness wire insulation 55 · 5 Shore D Ingredient feeness wire insulation 65 · 5 Shore D Ingredient feeness wire insulation 10 ad free, cadmium-free, CFC-free, halogen-free, silicone-free Purparent province free insulation <t< td=""><td></td><td></td></t<>		
Stranding 2 wires with 2 Filler twisted		
Cable shielding (coverage) 85 % Bandding Fleece, Foll Filler yes Drain wire (cross-section) 0,14 mm² brain wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m @ 25 °C horizontal Zable weight 79.2 g/m Malerial jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (scket) 8,1 mm Obter-ance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Duter diameter tolerance core insulation ± 5 % Shore bardness wire insulation 5 ± 5 Shore D Diameter of single wires 23 AWG Diameter of single wires 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Material conductor wi	Stranding	2 wires with 2 Filler twisted
Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes Drain wire (cross section) 0,14 mm² wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weigth 79.2 g/m Material jacket PUR Freedom from ingredients (jacket) 8,1 mm Cheer diameter (jacket) 8,1 mm Material wire insolutation 2 Voluer diameter insulation 2,6 mm Under diameter insulation 2,6 mm Under diameter insulation 55 ±5 Shore D Porture diameter insulation 55 ±5 Shore D Impredient freeness wire insulation 53 4WG Conductor crosssection (wire) 19 Diameter of single wires 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Valueral toad capacity (standard) to D IN VDE 0298.4 Current load capacity (standard) to D IN VDE 0298.4 Current load capacity (standard)		
Fleece, Foil Fleece,		
Filler yes Drain wire (cross-section) 0,14 mm² wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m @ 25 °C horizontal Traversing distance (C-track) 10 m @ 25 °C horizontal Table weight 79,2 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 8.1 mm Tolerance outer diameter (health) ± 5 % Material wire insulation PP Amount wires 2 Duter diameter insulation PP Amount wires 2 Duter diameter insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 23 AWG Donductor crosssection (wire) 19 Diameter of single wires 23 AWG Donductor crosssection (wire) 23 AWG Donductor crosssection (wire) 34 Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity (standard) 59 AC AVK AC withstand voltage (wire - wire) 1, 2 k V @ 60 s AC withstand voltage (wire - wire) 1, 2 k V @ 60 s AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 40 AC AVK AC withstand voltage (wire - wire) 50 AC AVK AC withstand voltage (wire - wire) 60 AC AVK AC voltage free preparature mix. (dynamic) 60 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature mix. (dynamic) 70 AC AVK AC voltage free preparature		Fleece. Foil
Drain wire (cross-section) 0,14 mm² wire arrangement brown, white, red, blue, pink, gray, yellow, green Traversing distance (C-track) 10 m² ≥5 °C horizontal Cable weight 79,2 gm Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter diameter (jacket) 8,1 mm Tolerance outer diameter (jacket) 1.5 % Amount wire insulation PP Amount wire insulation 2.6 mm Outer diameter insulation 2.5 mm Shore hardness wire insulation 55 ± 5 Shore D Ingredient feeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) 10 DIN VDE 0298-4 Current load capacity (standard) 0 DIN VDE 0298-4	Filler	· · · · · · · · · · · · · · · · · · ·
Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 79.2 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 8.1 mm Tolerance outer diameter (sheath) ± 5 % Maderial wire insulation PP Amount wires 2 Outer diameter insulation 2.5 mm 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) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0.14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 3 A Electrical resistance line constant wire 59.4 Ω/km AC withstand voltage (wire - shield) 0.8 kV @ 60 s Min. operating tempera	Drain wire (cross-section)	
Traversing distance (C-track) 10 m @ 25 °C horizontal Cable weight 79.2 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 8.1 mm Tolerance outer diameter (sheath) ± 5 % Maderial wire insulation PP Amount wires 2 Outer diameter insulation 2.5 mm 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) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0.14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 3 A Electrical resistance line constant wire 59.4 Ω/km AC withstand voltage (wire - shield) 0.8 kV @ 60 s Min. operating tempera	wire arrangement	brown, white, red, blue, pink, gray, yellow, green
Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 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) 19 Diameter of single wires 23 AWG Conductor crossection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Drain wire (cross-section) 0,14 mm² Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59.4 C/km AC withstand voltage (wire - wire) 1.2 kV @ 60 s AC withstand voltage (wire - shield) 0.8 kV @ 60 s Max. operating temperature (fixed) 80 °C Operating tem	Traversing distance (C-track)	
Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter loserance 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) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59.4 C/km AC withstand voltage (wire - wire) 1.2 kV @ 60 s AC withstand voltage (wire - shield) 0.8 kV @ 60 s Max. operating temperature (fixed) 80 °C Op	Cable weigth	79,2 g/m
lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	
Duter-diameter (jacket) 8,1 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Duter diameter Insulation ± 5 % Duter diameter tolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation tead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 23 AWG Conductor crossection (wire) 23 AWG Conductor crossection (wire) 23 AWG Diameter of single wires 30 AWG Conductor cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Max. operating temperature (fixed) 80 °C <td>Freedom from ingredients (jacket)</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 2 Outer diameter insulation ± 5 % Shore hardness wire 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) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Mominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Q/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (istatic) -50 °C Max. operating temperature (istatic) -50 °C Operating temperature min. (dynamic) 30 °C Operating temperature min. (dynam	Outer-diameter (jacket)	· · · · · · · · · · · · · · · · · · ·
Amount wires 2 Outer diameter insulation 2,6 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 15 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare 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 A Electrical resistance line constant wire 59.4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Operating temperature (mix. (dynamic) 30 °C Operating temperature mix. (dynamic) 30 °C	Tolerance outer diameter (sheath)	<u>`</u>
Outer diameter insulation 2,6 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) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity frain, wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Oil resistance Good, appl	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 55 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmitum-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C ADerating temperature (static) -50 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Operating tersistance Good, application-related testing Oli resistance Good, application-rela	Amount wires	2
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) 19 Diameter of single wires 23 AWG Conductor crossection (wire) 23 AWG Diameter (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) -30 °C Operating temperature max. (dynamic) -30 °C Chemical resistance Good, application-related testing Casoline resistance Good, application-related testing Casoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Outer diameter insulation	2,6 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 19 Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 C/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) 50°C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Elame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 7,5 × Outer diameter	Outer diameter tolerance core insulation	±5%
Amount strands (wire) Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire 4C withstand voltage (wire - wire) 1,2 kV @ 60 s 4C withstand voltage (wire - shield) 0,8 kV @ 60 s 4C withstand voltage (wire - shield) 4D operating temperature (static) 50 °C Max. operating temperature (fixed) 4D operating temperature min. (dynamic) 50 °C Deparating temperature max. (dynamic) 4D operating temperature max. (dynamic) 5D operating temperature max. (d	Shore hardness wire insulation	55 ± 5 Shore D
Diameter of single wires 23 AWG Conductor crosssection (wire) 23 AWG Drain wire (cross-section) 0,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Coperating temperature max. (dynamic) 80 °C Chamical resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Casoline resistance Good, application-related testing Dil resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (fixed) 5 x O	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Drain wire (cross-section) O,14 mm² Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire AC withstand voltage (wire - wire) Mat. operating temperature (static) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Chemical resistance Beading radius (installation) X Outer diameter Bending radius (fixed) Stranded copper wire, bare Stranded capacity file of Stranded Stranded capacity file Stranded ca	Amount strands (wire)	19
Drain wire (cross-section) Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Diameter of single wires	23 AWG
Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 3 A Electrical resistance line constant wire AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 0perating temperature (fixed) 0perating temperature min. (dynamic) 20 Poerating temperature max. (dynamic) 80 °C Deperating temperature max. (dynamic) 80 °C Deperating temperature max. (dynamic) 80 °C Chemical resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Conductor crosssection (wire)	23 AWG
Nominal voltage AC max. 300 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) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s AC withstand voltage (wire - shield) Max. operating temperature (static) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Elec 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Oil resistance Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Drain wire (cross-section)	0,14 mm²
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 3 A Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature min. (dynamic) -30 °C Operating temperature min. (dynamic) 80 °C Electrical resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 59,4 Ω/km AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 1,2 kV @ 60 s AC withstand voltage (wire - shield) 0,8 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Current load capacity min. wire	3 A
AC withstand voltage (wire - shield) O,8 kV @ 60 s Min. operating temperature (static) Operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Bending radius (fixed) O,8 kV @ 60 s O,9 kV @	Electrical resistance line constant wire	59,4 Ω/km
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	AC withstand voltage (wire - wire)	1,2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -30 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	AC withstand voltage (wire - shield)	0,8 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C Operating temperature max. (dynamic) So °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Max. operating temperature (fixed)	80 °C
Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 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 (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Operating temperature min. (dynamic)	-30 °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) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Operating temperature max. (dynamic)	80 °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) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 7,5 x Outer diameter	Oil resistance	Good, application-related testing DIN EN 60811-404
Bending radius (dynamic) 7,5 x Outer diameter	Bending radius (installation)	x Outer diameter
	Bending radius (fixed)	5 x Outer diameter
Travel speed (C-track) 2 Mio. @ 25 °C	Bending radius (dynamic)	7,5 x Outer diameter
	Travel speed (C-track)	2 Mio. @ 25 °C