

M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 30m

PROFIBUS

Female 90°

M12, 2-pole

B-coded

shielded

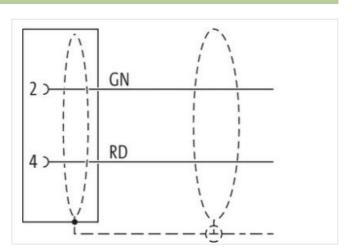
Plastic housings with good resistance against chemicals and oils.

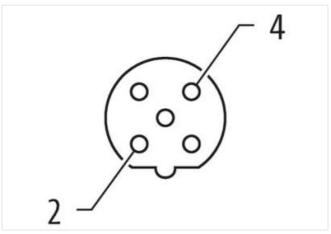
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

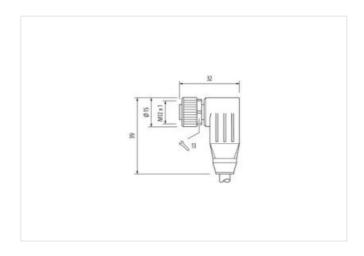
Link to Product

Illustration









Product may differ from Image













Cable length

30 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	4048879607049
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)

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: 2024-05-05



stay connected

Jacket Color violet Type of Certificate culfus Type of Certificate culfus Amount stranding 1 Stranding 2 wires with 2 Filler twisted Cable shielding (type) copper braid, firmed Cable shielding (coverage) 55 % Banding Fleece, Foll Filler Yes Sanding Fleece, Foll Filler Yes Wird arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70.4 gm Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket (sheath) + 5 % Amount wires 20 Duter diameter (sheath) + 5 % Shore hardness wire insulation 2.55 mm Outer diameter tolerance core insulation 60 ± 3 Shore D Ingredient feeness wire insulation 60 ± 3 Shore D Ingredient feeness wire insulation (see AWG Conductor vires 24 AWG Conductor crosssection (wire) 24 AWG Conductor vires Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) in DIN VDE 0289 4 Current load capacity (standard) 0 DIN VDE 0289 4 Current load capacity (standard) 2 VV @ 60 s Electrical resistance in (cynamic) 200 °C Max. operating temperature (sixed) 77 °C Max. operating temperature (sixed) 80 °C Operating temperature (sixed) 90 °C Max. operating temperatur	Installation Cable	
Type of Certificate cURus Annount stranding 1 Annount stranding 2 were with 2 Filler twisted Cable shelding (coverage) 85 % Bandring Floeco. Foll Filler yes Were arrangement ref., open Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70 4 g/m Material jacket PUR Shore hardness jacket Freedom from ingredients (jacket) 12 % % Courter India Capacity is insulation 2,55 mm Outer diameter (sheath) 5 % Conductor crosssection (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Courter load capacity (standard) 10 NN VE 0288 4 Courter load capacity (yearning) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Courter (courter) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Courter (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Courter (mis.) 12 % Very 60 s Mis. operating temperature (mis.) 12 % Ver	Cable identification	841
Amount stranding 1 Stranding 2 wires with 2 Filter twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil Filter yes wite a rangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weigth 70, 4 gm Material jacket PUR Shore hardroses jacket 87 ± 3 Shore A Freedom from ingredients (jacket) 12 ± 3 Shore A Freedom from ingredients (jacket) 7,7 mm Other-diameter (sleadh) 2 ± 5 % Amount wires 2 Quiter diameter of learneer (sleadh) 2.55 mm Outer diameter of learnee core insulation 5 ± 3 Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 40 ± 4 MVG Onductor crosssection (wire) 24 AWG Conductor crosssection (wire) 24 AWG Conductor crosssection (wire) 10 In IN VE 0298 4	Jacket Color	violet
Stranding 2 wires with 2 Filler twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foll Filler yes wive arrangement red., green Toversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70,4 g/m Markerial jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7, 7mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter (sheath) ± 5 % Amount strands (vire) ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 16 ± 3 Shore D Ingredient freeness wire insulation 18 ± 4 kWG Conductor crossection (wire) 24 AWG Conductor crossection (wire) 24 AWG Material conductor wire 3 Transfed copper wire, bare Correct load capacity min. wire <td>Type of Certificate</td> <td>cURus</td>	Type of Certificate	cURus
Cable shielding (coverage) 85 % Banding Fleoco, Foll Filler yes wito arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70.4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolorance outer diameter (sheath) 1.5 % Amount vires 2 Outer diameter inolation 2.55 mm Outer diameter inolation 2.55 mm Outer diameter sive insulation 6.9 ± 3 Shore D Ingredient freeness were insulation 6.9 ± 3 Shore D Ingredient freeness were insulation 6.9 ± 3 Shore D Diameter of single wires 24 AWG Conductor crossection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Vorman Voltage AC max. 300 V Current load capacity (sandard) 10 DIN VDE 0298-4 Current load capacity (sandard) </td <td>Amount stranding</td> <td>1</td>	Amount stranding	1
Cable shielding (coverage) 85 % Banding Fleece, Foil Filler yes wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70,4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter (sheath) ± 5 % Shore hardness wire insulation £ 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 18 de 4 MvG Conductor crasssection (wire) 24 AWG Conductor crasssection (wire) 24 AWG Conductor or crasssection (wire) 24 AWG Courrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire 25 kV @ 60 s Electric capacitance 2800 p PKm <td>Stranding</td> <td>2 wires with 2 Filler twisted</td>	Stranding	2 wires with 2 Filler twisted
Perconstruction Perconstru	Cable shielding (type)	copper braid, tinned
Filler yes 25°C, horizontal red, green gre	Cable shielding (coverage)	85 %
wire arrangement red, green Traversing distance (C-track) 5 m @ 25 °C horizontal Cable weight 70.4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) 87 ± 3 Shore A Freedom from ingredients (jacket) 7,7 mm Outer diameter (jacket) 7,7 mm Tolerance outer diameter (scheath) ± 5 % Amount wires 2 Quiter diameter insulation ± 5 % Amount wires 2 Quiter diameter insulation ± 5 % Shore burstness wire insulation ± 5 % Shore burstness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) 10 DN VDE 0298-4 Current load capacity (standard) 10 DN VDE 0298-4 Current load capacity (wire wire) 2 kV @ 60 s	Banding	Fleece, Foil
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Cable weigith 70,4 g/m Material jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Duter-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter Insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 70 ± 3 Shore 2 Sh	wire arrangement	red, green
Material Jacket PUR Shore hardness jacket 87 ± 3 Shore A Freedom from ingradients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter tolerance core insulation ± 5 % Shore particular diameter insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electrical capacitance 2000 pF/km	Traversing distance (C-track)	5 m @ 25 °C horizontal
Shore hardness jacket 87 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7.7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 0 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric apacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (fixed) 80 °C <tr< td=""><td>Cable weigth</td><td>70,4 g/m</td></tr<>	Cable weigth	70,4 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG 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 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (ixix) 30 °C Operating temperature min. (dynamic) 70 °C	Material jacket	PUR
Outer-diameter (jacket) 7,7 mm Tolerance outer diameter (sheath) ± 5 % Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free Amount strands (wire) 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG 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 4,5 A Electrical resistance line constant wire 72,2 (2 km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric apacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -0 °C Operating temperature min. (dynamic) -0 °C Operating temperature m	Shore hardness jacket	87 ± 3 Shore A
Tolerance outer diameter (sheath) ± 5 % Annount wires 2 Outer diameter insulation 2.55 mm Outer diameter tolerance core insulation 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free Annount 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. 300 V Current load capacity fishandard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C Max. operating temperature (fixed) 80 °C Operating temperature (min. (dynamic) 70 °C Flame resistance 1EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount wires 2 Outer diameter insulation 2,55 mm Outer diameter lolerance core insulation ± 5 %. Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 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) 2 kV @ 60 s Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Max. operating temperature (mix. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C	Outer-diameter (jacket)	7,7 mm
Outer diameter insulation 2,55 mm Outer diameter tolerance core insulation ± 5 % Shore bardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 \(\Omega\) km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - sacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (static) 70 °C Poperating temperature min. (dynamic) 70 °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	Tolerance outer diameter (sheath)	± 5 %
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. 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 Operating temperature (min. (dynamic) -20 °C<	Amount wires	2
Shore hardness wire insulation 60 ± 3 Shore D Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Chasoline resistance Good, application-related testing DIN EN 60811-404	Outer diameter insulation	2,55 mm
Ingredient freeness wire insulation lead-free, cadmium-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. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Q/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 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 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 Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG Material conductor wire Stranded copper wire, bare Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity ini. wire 4,5 A Electrical resistance line constant wire 72,2 \(\Omega \text{km} \equiv 20 \circ C AC withstand voltage (wire - wire) 2 kV \(\equiv 60 \text{ s} 2 kV \(\equiv 60 \text{ s} 30 \text{ capacitance} Power frequency withstand voltage (wire - aiacket) AC withstand voltage (wire - shield) 2 kV \(\equiv 60 \text{ s} 30 \text{ constant wire} 2 kV \(\equiv 60 \text{ s} 30 \text{ constant wire} 2 kV \(\equiv 60 \text{ s} 30 \text{ constant wire} 3 kV \(\equiv 60 \text{ s} 30 \text{ constant wire} 3 kV \(\equiv 60 \text{ s} 40 \(\circ C 40 \ci	Shore hardness wire insulation	60 ± 3 Shore D
Diameter of single wires 24 AWG Conductor crosssection (wire) 24 AWG 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 4.5 A Electrical resistance line constant wire 72,2 \(\Omega \text{LVW} \) \(\Omega \text{0} \) Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - aiacket) 2 kV \(\Omega \text{0} \text{0} \text{S} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{0} \text{0} \text{S} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{0} \text{0} \text{S} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{0} \text{0} \text{S} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{0} \text{0} \text{S} \) AC withstand voltage (wire - shield) 2 kV \(\Omega \text{0} \text{S} \) AC withstand voltage (wire - shield) 30 °C Operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance IEC 60332-2-2 UL 1581 \(\St{1} \) 110 FT2 UL 1581 \(\St{1} \) 1990 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free
Conductor crosssection (wire) 24 AWG 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 4.5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance Power frequency withstand voltage (wire - acket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 3 c C Operating temperature (static) 40 °C Adva. operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °C Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Good, application-related testing Oil resistance Good, application-related testing Din EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic)	Amount strands (wire)	19
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 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - acket) AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Poperating temperature max. (dynamic) 70 °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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Diameter of single wires	24 AWG
Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 \(\Omega \) / (80 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - wire) 2 kV \(\omega \) 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) AC withstand voltage (wire - shield) 2 kV \(\omega \) 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 70 °C Flame resistance Elec 60332-2-2 UL 1581 \(\green \) 1100 FT2 UL 1581 \(\green \) 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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Conductor crosssection (wire)	24 AWG
Current load capacity (standard) Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 \(\Omega \text{ Mrm \(\text{ Q} \text{ 0} \text{ 0} \text{ S} \) Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV \(\text{ 60 s} \text{ 80 s} \) Electric capacitance 2 kV \(\text{ 60 s} \text{ 80 s} \) Electric withstand voltage (wire - shield) 2 kV \(\text{ 60 s} \text{ 80 s} \) Electric withstand voltage (wire - shield) 2 kV \(\text{ 60 s} \text{ 80 s} \) 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 EC 60332-2-2 UL 1581 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - aiacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 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 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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 72,2 \(\Omega \text{I/km} \) \(\omega \text{20} \cdot \text{C} \) AC withstand voltage (wire - wire) 2 kV \(\omega \text{60} \text{60} \text{8} \) Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - alacket) 2 kV \(\omega \text{60} \text{8} \) AC withstand voltage (wire - shield) 2 kV \(\omega \text{60} \text{8} \) Min. operating temperature (static) -40 \(\cdot \text{C} \) Max. operating temperature (fixed) 80 \(\cdot \text{C} \) Operating temperature min. (dynamic) -20 \(\cdot \text{C} \) Operating temperature max. (dynamic) 70 \(\cdot \text{C} \) Flame resistance IEC 60332-2-2 UL 1581 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 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) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2 kV @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - acket) AC withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 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 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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Current load capacity min. wire	4,5 A
Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - alacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 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 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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Electrical resistance line constant wire	72,2 Ω/km @ 20 °C
Power frequency withstand voltage (wire - glacket) AC withstand voltage (wire - shield) AND withstand voltage (wire - shield) AC withstand voltage (with a shield) AC with a shield voltage (with a shield volta	AC withstand voltage (wire - wire)	2 kV @ 60 s
AC withstand voltage (wire - shield) AC withstand voltage (wire shield) AC	Electric capacitance	29000 pF/km
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 70 °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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 70 °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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 70 °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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 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 (fixed) 7,5 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) 7,5 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) 7,5 x Outer diameter Bending radius (dynamic) 12 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 (fixed) 7,5 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 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)	7,5 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