

## 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

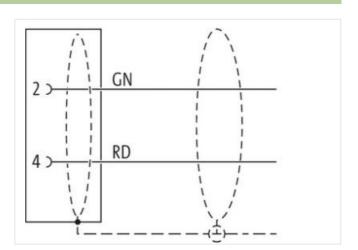
Plastic housings with good resistance against chemicals and oils.

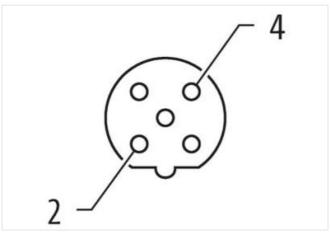
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

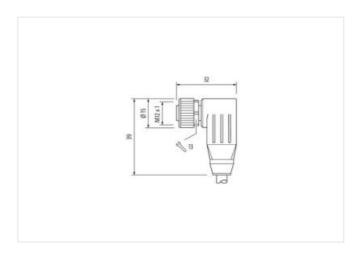
## **Link to Product**

## 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	4048879344180
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	<b>Attention:</b> 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

Amount stranding   1   2   wires with 2 Filter twisted	Installation   Cable	
Type of Certificate         CUPtus           Amount stranding         1           Stranding         2 wises with 2 Filler twisted           Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         85 %           Banding         Fleece, Foil           Filler         yes           wie arrangement         red, green           Cable weigth         70.4 g/m           Matterial jacket         PUR           Shore hardness jacket         87 ± 3 Shore A           Freedom from Ingredients (gacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (gacket)         2, 7, mm           Tolerance outer dameter (sheath)         2, 5 %           Amount wires         2           Outer diameter (sheath)         2, 5 %           Amount wires         2           Outer diameter (sheath)         2, 5 %           Amount sire insulation         2, 55 mm           Outer diameter (sheath)         1, 5 %           Shore hardness wire insulation         1, 5 %           Shore hardness wire insulation         1, 6 % 3 Shore D           Ingredient freanses wire insulation         1, 6 % 3           Shore bardness wire insulation <t< td=""><td>Cable identification</td><td>841</td></t<>	Cable identification	841
Amount stranding   1   2   wires with 2 Filter twisted	Jacket Color	violet
Stranding         2 wines with 2 Filler twisted           Cable shelding (type)         copper brad, timed           Cable shelding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         red, green           Cable weight         70.4 g/m           Material jacket         PUR           Shore hardness jacket         87 ± 3 Shore A           Freedom from lingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7, 7 mm           Toflerance outer diameter (sheath)         ± 5 %           Annount wires         2           Outer diameter inverlance core insulation         ± 5 %           Outer diameter (lorenze wire insulation         ± 5 %           Annount strands (wire)         ± 9           Diameter of single wires         2 4 AWG           Conductor rosssection (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (F-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (sandard)         5 DIN VDE (298-4           Current load capacity (sandard)	Type of Certificate	cURus
Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filer         yes           wire arrangement         red, green           Cable weigh         70.4 g/m           Material jacket         PUR           Shore hardness jackel         87 ± 3 Shore A           Freedom from ingredents (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7.7 mm           Tolerance outer dameter (sheath)         1.5 %           Armount wires         2           Outer diameter insulation         2.55 mm           Outer diameter insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         62 ± 4 AWG           Conductor crosssection (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor crosssection (wire)         5 m @ 25 °C [horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         72,2 Ok		1
Cable shielding (type)         copper braid, finned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filer         yes           wire arrangement         red, green           Cable weigh         70.4 g/m           Material jacket         PUR           Shore hardness jackel         87 ± 3 Shore A           Freedom from ingredents (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7.7 mm           Tolerance outer dameter (sheath)         1.5 %           Armount wires         2           Outer diameter insulation         2.55 mm           Outer diameter insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         62 ± 4 AWG           Conductor crosssection (wire)         19           Diameter of single wires         24 AWG           Conductor crosssection (wire)         24 AWG           Conductor crosssection (wire)         5 m @ 25 °C [horizontal           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         72,2 Ok	Stranding	2 wires with 2 Filler twisted
Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         red, green           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           Under-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         6.0 ± 3 Shore D           Ingredient freeness wire insulation         16 deaf-free, cadmium-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         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current		copper braid, tinned
Banding         Fleece, Foil           Filler         yes           wive arrangement         red, green           Cable weigth         70,4 g/m           Material jacket         PUR           Fore down from impredients (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%           Amount stress wire insulation         £ 5%           Shore hardness wire insulation         £ 5%           Shore hardness wire insulation         6£ 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 cross-section (wire)         24 AWG           Conductor cross-section (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Tavavrsing distance (C-track)         5 m 25 °C (I horizontal           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VDE 0294-4           Current load capacity		
Filler         yes           wire arrangement         red, green           Cable weight         70.4 g/m           Material jacket         PUB           Shore hardness jacket         87 ± 3 Shore A           Freedom from Ingredients (jacket)         1,7 mm           Tolerance outer diameter (jacket)         7,7 mm           Tolerance outer diameter (jacket)         2,7 mm           Tolerance outer diameter (jacket)         2,55 mm           Outer diameter (jacket)         2,55 mm           Outer diameter (jacket)         2,55 mm           Outer diameter (jacket)         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ± 3 Shore D           Ingredient freeness wire insulation         160 ±		Fleece, Foil
wire arrangement         red, green           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           Tolerance outer diameter (sheath)         2.5 %           Amount wires         2           Outer diameter tolerance core insulation         2.5 5 mm           Unter diameter tolerance core 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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max         300 V           Current load capacity with wire         4 S A           Electrical resistance line constant wire         72,2 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electr		· · · · · · · · · · · · · · · · · · ·
Cable weight         70,4 g/m           Material jacket         PUR           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         2,5 mm           Outer diameter tolerance core insulation         5 %           Shore hardness wire insulation         60 3 8 bore D           Ingredient freeness wire insulation         62 3 8 bore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free           Amount strands (wire)         19           Diameter of single wires         24 AWG           Conductor or crosssection (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VIDE 0298-4           Current load capacity (standard)         10 DIN VIDE 0298-4           Current load capacity wire, wire         2 k V @ 60 s           Electric capacitance         29000 pFi/km           Power freq		•
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           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         2           Outer diameter insulation         2,55 mm           Outer diameter bolerance core insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         19           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.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         4,5 A           Electrical resistance line constant wire         72.2 0/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric appacitance         29000 pF/km           Power frequency withstand voltag		
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         2,55 mm           Outer diameter biolarance 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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 Olkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical respectatione         29000 pF/km           Power frequency withstand voltage (wire - shield)         2 k		
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         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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electric capacitance         29000 pF/km           Power free purpers withstand voltage (wire - shield)         2 kV @ 60 s           Mn. operating temperature (statc)		
Outer-diameter (jacket)         7,7 mm           Tolerane 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           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 (static)         40 °C           Max. opera		
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           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 298-4           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         2 80000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         20 °C           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s </td <td></td> <td></td>		
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           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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           Min. operating temperature (fixed)         80 °C           Max. operating temperature (fixed)         80 °C           Operating temperature max. (dynamic)         20 °C		·
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           Material conductor wire         Stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 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           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         30 °C           Operating temperature min. (dynamic)         -20 °C           Coperating temperature min. (dynamic)         70 °C           Flame resistance         Good, application-related		— F 11
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           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         30 °C           Operating temperature min. (dynamic)         70 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance </td <td></td> <td></td>		
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           Traversing distance (C-track)         5 m@ 25 °C   horizontal           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 0/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 min. (dynamic)         -20 °C           Flame resistance         IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090           chemical resistance		·
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  Traversing distance (C-track) 5 m @ 25 °C   horizontal  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 \Omega \text{Mrm @ 20 °C}  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electric apacitance 29000 pF/km  Power frequency withstand voltage (wire - 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 40 °C  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (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  Bending radius (fixed) 7,5 x Outer diameter  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.       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         Min. operating temperature (fixed)       80 °C         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         Oil resistance		
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. 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 \( \Omega \)/LW @ 60 s Electrical resistand voltage (wire - wire) 2 kW @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - jacket) 40 °C  AC withstand voltage (wire - shield) 2 kW @ 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - jacket) 40 °C  Max. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance EC 60032-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter		
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.         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 0/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         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		
Material conductor wire Stranded copper wire, bare Traversing distance (C-track) 5 m @ 25 °C   horizontal 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 \( \Omega \text{LVM m} \) @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - 2 kV @ 60 s  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 EC 60032-2-2   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  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		*
Traversing distance (C-track) 5 m @ 25 °C   horizontal  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  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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 72,2 \( \Omega\) (xm \( \omega\) 20 °C AC withstand voltage (wire - wire) 2 kV \( \omega\) 60 s Electric capacitance 29000 pF/km Power frequency withstand voltage (wire - shield) 2 kV \( \omega\) 60 s AC withstand voltage (wire - shield) 2 kV \( \omega\) 60 s Max. 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 \( \omega\) 1100 FT2   UL 1581 \( \omega\) 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		
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 \( \omega \) 0°C  AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV \( \omega \) 60 s  AC withstand voltage (wire - shield) 2 kV \( \omega \) 60 s  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 \( \green \) 1100 FT2   UL 1581 \( \green \) 1900  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		<del>`</del>
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 72,2 C/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - jacket) 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 \( \Omega \) (Nkm \( \omega \) 20 °C  AC withstand voltage (wire - wire) 2 kV \( \omega \) 60 s  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - 2 kV \( \omega \) 60 s  AC withstand voltage (wire - shield) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 70 °C  Flame resistance IEC 60332-2-2   UL 1581 \( \graphi \) 1100 FT2   UL 1581 \( \graphi \) 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 - wire) 2 kV @ 60 s  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - acket) 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		· · · · · · · · · · · · · · · · · · ·
Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - jacket) 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		<u> </u>
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  Min. operating temperature (static)  AC withstand voltage (wire - shield)  Max. operating temperature (fixed)  AC withstand voltage (wire - shield)  AC withstand voltage (shield)  AC withstand voltage (shield)		
AC withstand voltage (wire - shield)  AC withstand voltage (wire shield)  AC withs	·	29000 pF/km
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °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		2 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  To °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) 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 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