

## M12 female 0° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 6m

**PROFIBUS** 

Female straight

M12, 2-pole

B-coded

shielded

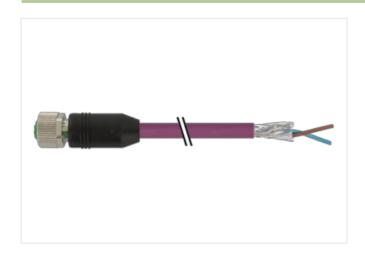
Plastic housings with good resistance against chemicals and oils.

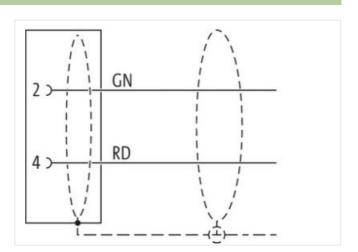
The resistance to aggressive media should be individually tested for your application. Further details on request.

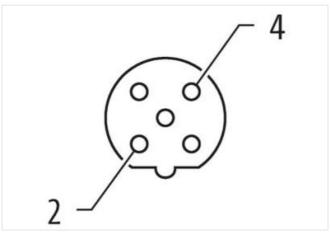
Further cable lengths on request.

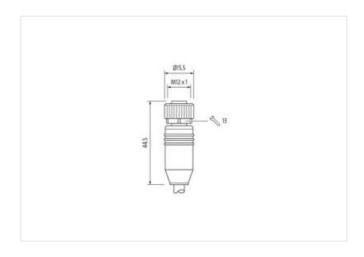
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

6 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
Side 2	
Stripping length (jacket)	20 mm
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	4048879719032
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	771
•	
Stripping length (jacket)	20 mm
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	
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.

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	-	endangered by excessive bending forces.
Installation   Cable   Cable identification   841   Appeal Color   violet   Type of Certificate   cUPus   Amount stranding   1   Cable inhelding (type)   cooper braid, tinned   Cable inhelding (type)   cooper braid, tinned   Cable inhelding (type)   cooper braid, tinned   Cable inhelding (coverage)   58 %   Banding   Fleece, Foil   Filler   yes   wire arrangement   red, green   Traversing distance (C-track)   5 m @ 25 °C   horizontal   Cable wingth   70.4 g/m   Material jacket   PUR   Amount strandines jacket   77.1 mm   Tolerando outer diameter (specket)   7.7 mm   Tolerando outer diameter (specket)   7.7 mm   Tolerando outer diameter (specket)   2.5 %   Amount wires   2.0 culter diameter (specket)   2.5 %   Amount wires wire insulation   86 ± 3 Shore A   Amount strandines wire insulation   86 ± 3 Shore A   Amount strandines wire insulation   86 ± 3 Shore A   Amount strandines wire insulation   86 ± 3 Shore A   Amount strandines wire insulation   86 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   80 ± 3 Shore A   Amount strandines wire insulation   Anount strandines wire insulation   Anount strandines wire insulation   Anoun	Conformity	
Cabbe identification   Cabbe         841           Jacked FCofor         viole           Type of Certificate         cURus           Amount stranding         1           Stranding         2 wires with 2 Filler twisted           Cabbe shelding (type)         copper braid, finned           Cabbe shelding (type)         copper braid, finned           Cabbe shelding (covarage)         85 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C) ProfusorItal           Cabbic weight         74 dym           Metaerial jacket         PUR           Shore handness jacket         87 ± 3 Shore A           Freedom from ingedients (jacket)         7.7 mm           Toterance outer diameter (sheleth)         ± 5 %           Annount wires         2           Outer diameter forterance core insustation         ± 5 %           Shore bandness wire insulation         ± 5 %           Shore bandness wire insulation         ± 5 %           Shore bandness wire insulation         ± 2 4 AWG           Current load capacity wire         ± 4 4 AWG           Diameter of single wires         ± 4 AWG	Product standard	DIN EN 61076-2-101 (M12)
Cable Identification         841           Jacket Color         violet           Type of Certificate         CUPus           Annount standing         1           Stranding         2 wires with 2 Filler twisted           Cable shielding (coverage)         85 %           Bandring         Fleec, Foil           Filler         yes           wire arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C) Inortzontal           Cable weight         70.4 gm           Material jacket         PUR           Shrow hardness jacket         87 ± 3 Shore A           Freedom from ingredients (jacket)         leas-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         7.7 mm           Tolerance outer diameter (shealth)         ± 5 %           Amount wires         2           Outer diameter (jacket)         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	Installation   Cable	
Jacket Color Type of Certificate  OLPus  OLPus  OLPus  OLPus  OLPus  OLPus  OLPus  OLPus  Stranding  2 wires with 2 Filler twisted  Cable shielding (type)  Cable shielding (type)  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 gm  Material jacket  Brue  87 ± 3 Shore A  Shore hardness jacket  PUR  Shore hardness jacket  87 ± 3 Shore A  Freedom from ingredientis (jacket)  Outer-diameter (jacket)  Outer-diameter (jacket)  7.7 mm  Tolerance outer diameter (sheath)  2.5 fm  Outer diameter insulation  Outer diameter sine insulation  Food and shore were insulation  Duter diameter of single wires  Amount strands (wire)  19  Diameter of single wires  2.4 AWG  Conductor crosssection (vire)  Amount strands (wire)  19  Diameter of single wires  2.4 AWG  Conductor crosssection (vire)  Amount strands (wire)  Diameter of single wires  2.4 AWG  Conductor crosssection (vire)  All aliental conductor wire  Normania voltage AC max.  300 V  Current load capacity (sinandard)  Current load capacity (sinandard)  Current load capacity (sinandard)  AC withstand voltage (wire - shield)  AC withsta	·	0.41
Type of Certificate         CURsus           Amount stranding         1           Stranding         2 wires with 2 Filler twisted           Cable shelding (cybe)         copper braid, finned           Cable shelding (coverage)         55 %           Banding         Floeco Foil           Filler         yes           wise arrangement         red, oren           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         70.4 g/m           Markerfal jacket         PUR           Shore Andrioses jacket         67 ± 3 Shore A           Freedom from ingredients (jackot)         10 and free, cadmium free, CFC free, halogen free, silicone free           Outer-diameter (jacket)         7, mm           Tolerance outer diameter (shealth)         4 5 %           Annount wires         2           Outer diameter (shealth)         5 %           Shore hardness wire insulation         65 ± 3 Shore D           Dispresion freeness wire insulation         65 ± 3 Shore D           Dispresion freeness wire insulation         65 ± 3 Shore D           Ingresion freeness wire insulation         65 ± 3 Shore D           Ingresion freeness wire insulation         65 ± 3 Shore D           Ingresion freeness wire insulation		
Amount stranding         1           Stranding         2 wires with 2 Filter twisted           Cable shiekding (type)         copper braid, tinned           Cable shiekding (coverage)         85 %           Banding         Fleece, Foll           Filter         yes           wice arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigh         70, 4 gm           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 (rehealth)         ± 5 %           Amount wires         2           Outer diameter insulation         ± 5 %           Amount strandes wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 4 Shore           Amount strands (wire)         19           Diameter of single wires         2 4 AWG           Conductor crosssection (wire)         24 AWG           Conductor crosssection (wire)         24 AWG		
Stranding         2 wires with 2 Filler twisted           Cable shelding (type)         copper braid, timed           Cable shelding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         red, green           Traversing distance (C-vack)         5 m @ 25 °C   horizontal           Cable weight         70,4 g/m           Material jacket         PUR           Shore hardness jacket         87 ± 3 Shore A           Freadom from ingredients (jacket)         1,7 mm           Tolerance outer diameter (jacket)         1,5 %           Amount wires         2           Outer diameter (sheath)         2,5 %           Shore hardness wire insulation         2,5 mm           Outer diameter (sheath)         1,5 %           Amount strands (virie)         19           Injuration of single wires         24 AWG           Conductor cross-section (wire)         24 AWG           Conductor cross-section (wire)         24 AWG           Conductor virial conductor wire         300 V           Current load capacity (standard)         10 DIN VDE 0298.4           Current load capacity min. wire         4,5 A           Electrical resistance in en constant wi		
Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         85 %           Banding         Fleece, Foll           Filler         yes           wire arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         70.4 p/m           Material packet         PUR           Shore hardness jacket         87 ± 3 Shore A           Freedom from Ingredients (glacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (glacket)         2,7 mm           Tolerance outer diameter (heath)         2,5 %           Amount wires         2           Outer diameter insulation         2,55 mm           Outer diameter tolerance core insulation         2,5 %           Ingredient femens wire insulation         69 ± 3 Shore D           Ingredient femens wire insulation         69 ± 3 Shore D           Ingredient femens wire insulation         80 ± 4 AWG           Conductor crossection (wire)         19           Diameter of single wires         24 AWG           Conductor crossection (wire)         24 AWG           Material conductor wire         300 V           Current load capacity min. wire		
Cable shielding (coverage)         85 %           Banding         Fleece, Foil           Filler         yes           wire arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigh         70,4 y/m           Material jacket         PUR           Shore hardness jacket         87 ± 3 Shore A           Freedom from ingredients (jacket)         7,7 mm           Tolerance outer diameter (jacket)         7,7 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         2           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         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         180 ± 3 Shore D           Ingredient freeness wire insulation         180 ± 3 Shore D		
Fleece, Foil   yes   y	- · · · ·	
Filler         yes           wire arrangement         red, green           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigth         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           Toflerance outer diameter (sheath)         ± 5 %           Armount 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 (vire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Normal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 298-4           Current load capacity (standard)         to DIN VDE 298-4           Electric apacitiance inco constant wire         22 EUR @ 60 s		
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           Outer-diameter (jacket)         7.7 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         2           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         5 5 %           Nor hardness wire insulation         5 5 %           Manual 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 Q/km @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Electrical preparature (fixed)         2 kV @ 60 s           Max. operating temperature (fixed)         <		
Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weigh         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           Toflerance outer diameter (sheath)         ± 5 %           Amount wires         2           Outer diameter insulation         2,55 mm           Shore bardness wire 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 slape wires         24 AWG           Conductor crosssection (wire)         24 AWG           Material conductor wire         Stranded copper wire, bare           Nominal voltage AC max.         300 V           Current load capacity inits wire         4.5 A           Electrical resistance line constant wire         7.2 Qikm @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           Electric apacitance         29000 pFi.km           Power frequency withstan		·
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)         ± 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 ± 4 MWG           Conductor crossaction (wire)         24 AWG           Conductor crossaction (wire)         24 AWG		
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 insulation         ± 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         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 £ 0 km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Electrical resistance         2000 pF/km           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperatu	· ' '	·
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 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         19           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         60 ± 3 Shore D           Ingredient freeness wire insulation         10 Turn for Store A		<del>-</del>
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           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          AC withstand voltage (wire - shield)         <	•	
Outer-diameter (jacket)         7,7 mm           Tolerane outer diameter (sheath)         ± 5 %           Amount wires         2           Outer diameter insulation         ± 5 %           Shore bardness were insulation         ± 5 %           Shore hardness were 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 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)         -20 °C           Operating temperature min. (dynamic)         -0 °C           Operating temperature min	•	
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 19 Diameter of single wires 24 AWG Conductor crosssection (wire) 19 Diameter of single wires 24 AWG 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) 10 DIN VDE 0298-4 Current load capacity (wire - wire) 2 kV Ø 66 s Electrical resistance line constant wire 72,2 Ω/km Ø 20 °C AC withstand voltage (wire - wire) 2 kV Ø 66 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C 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 Gasciline resistance Good, application-related testing IDIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter  Bending radius (fixed) 12 x Outer diameter		<del>-</del>
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 crossection (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           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (min. (dynamic)         70 °C           Coperating temperature max. (dynamic)         70 °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           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 \( \Omega\) (% 60 s           Electric capacitance         29000 pF/km           Power frequency 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 (static)         40 °C           Max. operating temperature (static)         <		
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           Min. operating temperature (fixed)         0 °C           Operating temperature (fixed)         0 °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         Goo		
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           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 § 109           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resistanc		
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  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature (fixed) 80 °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  Gasoline resistance Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 12 x Outer diameter		
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 min. wire 4,5 A Electrical resistance line constant wire 72,2 \( \Omega \text{low} \mathbb{\end{array}} \end{a		
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 - 24 kV \( \Omega \text{0} \text{0} \text{0} \text{5} \text{8} \)  AC withstand voltage (wire - shield) 2 kV \( \Omega \text{0} \text{0} \text{5} \text{8} \text{5} \text{8} \text{9} \text{80 s} \text{900 s} \text{10 perating temperature (static)} 40 \( \Circ \text{C} \text{0} 0		
Conductor crosssection (wire)  At a WG  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  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  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Flame resistance  Good, application-related testing  Oil resistance  Bending radius (fixed)  7,5 x Outer diameter	. , ,	
Material conductor wire  Nominal voltage AC max.  300 V  Current load capacity (standard)  Current load capacity (standard)  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 - 2 kV @ 60 s  Electric capacitance  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 \( \Omega \text{Lw} \mathbb{\text{@ 60 s}} \)  Electric capacitance  29000 pF/km  Power frequency withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  AC withstand voltage (wire - shield)  2 kV \( \omega \text{60 s} \)  AC withstand voltage (wire - shield)  2 kV \( \omega \text{60 s} \)  Min. operating temperature (static)  40 \( ^\text{C} \)  Max. operating temperature (fixed)  80 \( ^\text{C} \)  Operating temperature min. (dynamic)  20 \( ^\text{C} \)  Operating temperature max. (dynamic)  70 \( ^\text{C} \)  Flame resistance  IEC 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	. , ,	
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 72,2 \( \Omega \text{LMm} \) \( \omega \text{0} \) \( \omega \text{0} \)  AC withstand voltage (wire - wire) 2 kV \( \omega \text{0} \text{0} \text{0} \)  Electric capacitance 29000 pF/km  Power frequency withstand voltage (wire - jacket) 2 kV \( \omega \text{0} \tex	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 - jacket) 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 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.	
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 - jacket) 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 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	Current load capacity (standard)	
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	Current load capacity min. wire	4,5 A
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 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  Ac withstand voltage (with a shield)  Ac withstand voltage (wire - shield)  Ac withstand voltage (wire withstand)  Ac with	AC withstand voltage (wire - wire)	2 kV @ 60 s
jacket)  AC withstand voltage (wire - shield)  AC withstand voltage (wire shield	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  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	Power frequency withstand voltage (wire - jacket)	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   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 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