

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

PUR 3x0.34 shielded gy UL/CSA+drag ch. 3m

Female 90° M12, 3-pole shielded A-coded

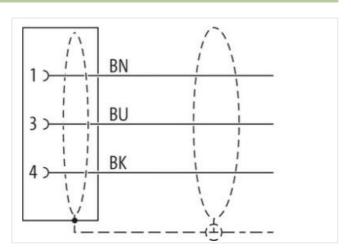
Plastic housings with good resistance against chemicals and oils.

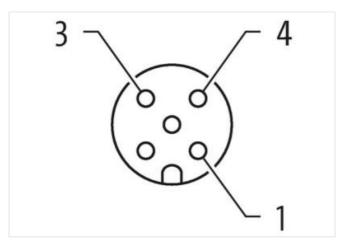
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

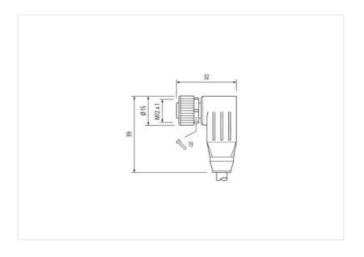
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

3 m

Side 1

Tightening torque

0,6 Nm

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: 2024-04-27



Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding Α 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 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879811811 Packaging unit 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 Stripping length (jacket) 20 mm M12 x 1 Mounting set Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) Mechanical data | Material data Coating locking Nickeled Coating of fitting nickel plated

Coaling of filling	nickei piated
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
mation in this Product-PDF has been compiled with the	e utmost care



## stay connected

Same	Cable identification	240
Type of Certificate         sURus           Amount stranding         1           Cable shelding (type)         copper brack, thrend           Cable shelding (type)         80 %           Banding         Fleece, Foil           wise arrangement         brown, black, blue           No. ol bending cycles (C-track)         5 Mo. @ 25 °C           Cable weight         44 g/m           Material jackst         PUR           Shore hardiness jackel         90 ± 5 Shore A           Freedom from ingriddents (jackell)         18 and free, cadmium free, CFC free, halogen-free, silicone-free           Cuber-diameter (jacker)         5 mm           Tolerando outer diameter (jacker)         5 mm           Outer diameter insulation         PP           Amount strands (wire)         2.5 %           Amount strands (wire)         4.5 %           Cuber diameter insulation         1.55 mm           Outer diameter insulation         1.55 mm           Outer diameter insulation         4.5 %           Amount strands (wire)         42 ?           Diameter of single wrise         0.1 mm           Card diameter sive insulation         18 de cadmium-free, CFC-free, halogen-free, silicone-free           Macro of single wrise         0.1 mm	Cable Type	3
Amount stranding I Stranding 3 wires twisted Cabbe shiedring (type) coppor braid, tinned Cabbe shiedring (type) soppor braid, tinned Cabbe shiedring (type) soppor braid, tinned Cabbe shiedring (type) soppor braid, tinned Cabbe shiedring (coverage) 89 % Bandring Wire airrangement brown, black, blue No. of bonding cycles (C-track) 5 Mo. @ 25 °C Cabbe weight 44 g/m Material placket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredients (jacket) 190 ± 5 Shore A Freedom from Ingredient (jacket) 190 ± 5 Shore A Freedom from Ingredient (jacket) 190 ± 5 Shore A Material wire insulation 1,25 mm Culter diameter insulation 190 Shore D Ingredient freeness wire insu	Jacket Color	gray
Stranding   Stranding (type)   cooper braid, tinned   Cable shelding (type)   cooper braid, tinned   Cable shelding (type)   S8 %	Type of Certificate	cURus
Cable shielding (pyee)         copper braid, tinned           Cable shielding (coverage)         80 %           Bandring         Floor, Foll           wite arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio, 62 5° C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± S Shore A           Freedom from Ingredients (jacket)         lead free, cadmium free, CFC-free, halogen-free, silicone-free           Outer-dismater (jacket)         5 mm           Tolarance outer diameter (shealth)         2 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         7,5 5 Shore D           Ingredient feeness wire insulation         1,25 mm           Outer diameter feeness wire insulation         1,25 mm           Conductor type (wire)         3,	Amount stranding	1
Cabbe shelding (coverage)         80 %           Banding         Fleece, Foli           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio, @ 25 °C           Cabbe weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         16 ed-ree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (lebath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Pometer of singles wires         0,1 mm           Conductor crosssection (wire)         42           Dameter of singles wires         0,1 mm           Material conductor wire         Stranded copper wire, bare           Conductor crosssection (wire)         5 × 6 mm²           Material conductor wire         Stranded case 8           Conductor toget (wire)         5 ×	Stranding	3 wires twisted
Cabbe shelding (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         \$ Mio, @ 25 °C           Cabbe weight         44 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Freedom from ingredients (jacket)         16 ed-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (lehatth)         4 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Ingredient freeness wire insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm		copper braid, tinned
Banding         Fleece, Foil           wire arrangement         brown. black, blue           No. of bending cycles (C-track)         5 Mio_ 625°C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Brore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5%           Tolerance outer diameter (eheath)         ± 5%           Malterial wire insulation         pP           Amount wires         3           Outer diameter tolerance order insulation         1,25 mm           Outer diameter tolerance order insulation         1,25 mm           Outer diameter tolerance order insulation         1,25 mm           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 mm           Ingredient freeness wire insulation         10 mm           Conductor by review         2           Ingredient freeness wire insulation         10 mm           Conductor by review         5 mm decreased opper wire, bare           Conductor by review         5 mm decreased opper wire, bare           Conductor by review         5 mm decreased opper wire, bare		80 %
wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25° C           Cable weigh         44 gm           Material jacket         PUR           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Cuber-diameter (jacket)         5 mm           Tofferance uter diameter (heath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter relaterace core insulation         1,25 mm           Outer diameter tolerance swire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 %           Impedient research wire insulation         10 ± 5 %           Outer diameter tolerance core insulation         4 ± 5 %           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor of single wires         0.1 mm           Conductor of single wires         0.1 mm           Conductor type (wire)         3 trand class 6           Traversing distance (-Urack)         5 m © 5 °C) Invitational           Current load c		Fleece, Foil
No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cablo weight         44 g/m           Material Jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Cuber-diameter (gacket)         5 mm           Tolerance outler diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outler diameter insulation         1,25 mm           Outler diameter insulation         1,25 mm           Outler diameter insulation         1,25 mm           Outler diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Cure under treatment wire insulation <td< td=""><td>wire arrangement</td><td></td></td<>	wire arrangement	
Cable weight         44 g/m           Material jacket         PUR           Abore hardness glacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter roberance core insulation         1,25 mm           Outer diameter tolerance core insulation         2 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         3,4 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         5 m @ 25 °C   honzontal           Current load capacity (standard)         to DIN VDE 0299-4           Current load capacity (standard)         to DIN VDE 0299-4           Current load capacity (standard)         to DIN VDE 0299-4           Current load capacity (standard)         to DIN VDE 0299-5           Nominal voitage power (wire - shiet	<u> </u>	
Material Jacket         PUB           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Matorial wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter folerance ocer insulation         1,25 mm           Outer diameter folerance ocer insulation         1,25 mm           Outer diameter folerance ocer insulation         1,25 mm           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 5 %           Shore hardness wire insulation         18 ± 5 %           Chard diameter folerance ocer insulation         18 ± 5 %           Shore of single wires         0,1 mm           Conductor (steep of single wires)         0,1 mm           Conductor or sassedion (wire)         3,3 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         3 m @ 25 °C ( horizontal           Current load capacity (standard)         15 m W 25 °C ( horizontal           Current loa		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D <th< td=""><td></td><td><del>-</del></td></th<>		<del>-</del>
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free		90 + 5 Shore A
Outer dameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (istati)         40 °C           Max. operating temperature (istati)         40 °C           Max.		
Tolerance outer diameter (sheath)		· · · · · · · · · · · · · · · · · · ·
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolorance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Dameter of single wires         0,1 mm           Conductor orosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Taversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           AC withstand voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Operating temperature min. (dynamic)         -25		
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter insulation 27 ± 5 %   Shore hardness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-frack) 5 m @ 25 °C   horizontal Current load capacity (standard) to DIN VDE 298-4 Current load capacity (standard) to DIN VDE 298-4 Current load capacity min. wire 6 A Electrical resistance line constant wire 57 Okm @ 20 °C Nominal voltage power (AC max. 300 V AC withstand voltage power (wire - shield) 2 kV @ 60 s Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s AC withstand voltage power (wire - wire) 2 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 2-25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Gracial teresistance Good, application-related testing Gasoline resistance DIN EN 60811-404   Good, application-related testing Bending radius (fixed) 5 x Outer diameter		
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         r0 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor vire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Taversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (slandard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         5 7 Ω/km @ 20 °C           Nominal voltage power (Are - shield)         2 kV @ 60 s           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operat		
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           AG withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         60 °C		
Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor rosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           AC withstand voltage power (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -60 c@ 0.3 application-related testing           Gasoline resistance         Good		
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 42  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,34 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature min. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 5 x Outer diameter  Bending radius (fixed) 10 x Outer diameter  Position ycles 2 Mio.  Torsion speed 35 cycles/min		
Amount strands (wire)  Avalameter of single wires  O,1 mm  Conductor crosssection (wire)  O,34 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 6  Traversing distance (C-track)  5 m @ 25 °C   horizontal  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  6 A  Electrical resistance line constant wire  Nominal voltage power AC max.  300 V  AC withstand voltage power (wire - shield)  2 kV @ 60 s  Power frequency withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Plame resistance  EC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1990  chemical resistance  Good, application-related testing  Bending radius (fixed)  Bending radius (fixed)  Bending radius (fixed)  Torsion speed  35 cycles/min		
Diameter of single wires   0,1 mm		
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Strand class 6  Traversing distance (C-track)  S m @ 25 °C   horizontal  Current load capacity (standard)  Current load capacity (standard)  Current load capacity min. wire  6 A  Electrical resistance line constant wire  Str W @ 60 s  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - shield)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Str W @ 60 s  Min. operating temperature (static)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  Str W @ 60 s  Min. operating temperature (fixed)  Mo °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Bereing temperature max. (dynamic)  Bereing temperature max. (dynamic)  Good, application-related testing  Good, application-related testing  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min		
Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Q/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min		
Conductor type (wire) strand class 6  Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 \( \Omega\)/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min		·
Traversing distance (C-track) 5 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - shield) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min		
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 6 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - wire) 2 kV @ 60 s  AC withstand voltage power (wire - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Bending radius (dynamic) 35 cycles/min		
Current load capacity min. wire       6 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         AC withstand voltage power (wire - shield)       2 kV @ 60 s         Power frequency withstand voltage power (wire - shield)       2 kV @ 60 s         AC withstand voltage power (wire - wire)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         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       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min		<u> </u>
Electrical resistance line constant wire 57 \( \Omega \)/m \( \omega \) 20 °C  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV \( \omega \) 60 s  Power frequency withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  AC withstand voltage power (wire - wire) 2 kV \( \omega \) 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \omega \) 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \omega \) 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 \( \graphi \) 1100 FT2   UL 1581 \( \graphi \) 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion speed 35 cycles/min		
Nominal voltage power AC max.  AC withstand voltage power (wire - shield)  Power frequency withstand voltage power (wire - shield)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.	· ,	
AC withstand voltage power (wire - shield)  2 kV @ 60 s  Power frequency withstand voltage power (wire - wire)  2 kV @ 60 s  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	Electrical resistance line constant wire	57 Ω/km @ 20 °C
Power frequency withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  -40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	Nominal voltage power AC max.	300 V
(wire - jacket)  AC withstand voltage power (wire - wire)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	AC withstand voltage power (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min		2 kV @ 60 s
Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  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  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
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chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         No. of torsion cycles       2 Mio.         Torsion speed       35 cycles/min	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min	Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
<u> </u>	No. of torsion cycles	2 Mio.
Torsion stress ± 30 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 30 °/m