

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

PUR 3x0.34 shielded gy UL/CSA+drag ch. 25m

Female straight M12, 3-pole shielded

with cable sleeves

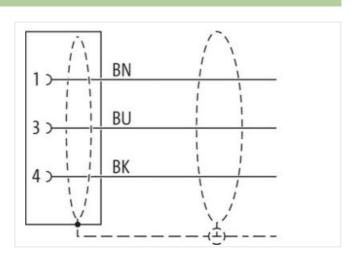
Plastic housings with good resistance against chemicals and oils.

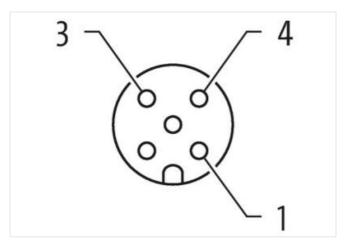
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

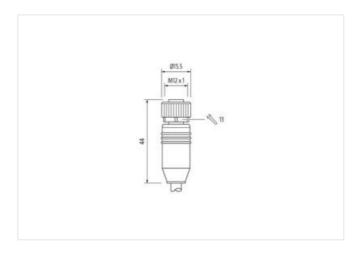
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

25 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: 2024-04-26



Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
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	4048879542678
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)	
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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	240
Cable Type	3
Jacket Color	gray



## stay connected

Amount stranding 1 Shandring 3 wires twisted 1 Cable shiekding (type) cooper braid, finned 1 Cable shiekding (coverage) 80 % Bandring Fleeos, Foll 1 wire arrangment brown, black, blue 1 No. of bending cycles (C-track) 5 Mo. @ 25 °C Cable weight 44 g/m Material jacket PUR Shore hardness (acket) 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 1 Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheet) 1 ± 5 % Material wire insulation PP Amount wires 3 Outer diameter insulation 1 ± 5 % Shore hardness wire insulation 2 ± 5 % Shore hardness wire insulation 1 ± 5 % Shore hardness wire insulation 2 ± 5 % Shore hardness wire insulation 2 ± 5 % Shore hardness wire insulation 2 ± 5 % Shore hardness wire insulation 3 ± 5 % Shore hardness wire insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 % Shore hardness wire insulation 4 ± 5 % Shore hardness wire insulation 5 ± 5 % Shore hardness wire insulation 6 ± 5 % Shore hardness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 8 ± 5 % Shore hardness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 7 ± 5 % Shore D Ingredient feeness wire insulation 8 0 % Minute 1 % Shore D Ingredient feeness wire insulation 8 0 % Minute 1 % Shore D Ingredient feeness wire insulation 8 0 % Minute 1 % Shore D Ingredient feeness wire insulation 8 0 % Minute 1 % Shore D Ingredient feeness wire insulation 8 0 % Minute 1 % Shore	Type of Certificate	cURus
Cable shielding (coverage)         80 %           Bandaring         Fleece, Foll           wite arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mo. @ 25 °C           Cable weight         44 ym           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Feederin from ingredients (jacket)         lead free, cadmium free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material weir insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter (shear)         3           Conductor by every         42           Diameter of single wires         0,1 mm           Conductor by every         45 %           Material conducto	Amount stranding	1
Cable shielding (coverage)         80 %           Banding         Fleece, Foll           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weigh         44 g/m           Material jacket         PUR           Shore Andriess jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         5 Shore A           Telerance outer diameter (sheath)         ± 5 %           Material view in sulation         PP           Amount wises         3           Outer diameter tolerance our insulation         1,25 mm           Outer diameter tolerance our 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         42           Dameter of single wires         0,1 mm           Conductor recessaction (wire)         4,3 mm²           Material conductor wire         Stranded copper vire, bare           Conductor trype (wire)         5 mm² e5 °C (prinzental           Current load capacity (standard)         10 IN VDE 0298 4           Current load capacity (standard)         10 IN VDE 0298 4           Curre	Stranding	3 wires twisted
Bending         Fleece, Foli           wire arrangement         brown, black, blue           No. of bending cycles (C-track)         5 Mio. @ 25 °C           Cable weigh         44 g/m           Material jacket         90 ± 5 Shore A           Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         ± 5 %           Material wire insulation         pP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter benance ore insulation         1,25 mm           Outer diameter tolerance ore insulation         1,25 mm           Outer diameter viberance ore insulation         1,25 mm           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 freenes	Cable shielding (type)	copper braid, tinned
wire arrangement         brown, black, blue           No. of bonding cycles (C-track)         5 Mio. @ 25 °C           Cable weight         44 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         6ad-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 insulation         125 mm           Outer diamet	Cable shielding (coverage)	80 %
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 (gaket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         104 free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         164 free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         104 free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         104 free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         104 free, cadmium-free, CFC-free, halogen-free, silicone-free           Ingredient freeness wire insulation         104 free, cadmium-free, CFC-free, halogen-free, silicone-free, silicone-free           Conductior type (wire)         3	Banding	Fleece, Foil
Cable weigth         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           Outer-diameter (jacket)         5 mm           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter substation         1,25 mm           Outer diameter insulation         70 ± 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 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)         10 IN VDE C298 4           Current load capacity (standard)         10 IN VDE C298 4           Current load capacity (standard)         5 Okm @ 25 °C           Owniand voltage power (wire - shield)         2 kV @ 60 s <td>wire arrangement</td> <td>brown, black, blue</td>	wire arrangement	brown, black, blue
Material jacket         PUR           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 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         16 4 5 %           Amount strands (wire)         42           2 Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Adarrance (Strand)         5 m @ 25 °C (I horizontal           Current load capacity (standard)         to DIN VDE 0298 4           Current load capacity (standard)         to DIN VDE 0298 4           Electrical resistance line constant wire         57 Okm @ 20 °C           Nominal voltage power AC max.         300 V           AC withstand voltage power (wire - shiet)         2 kV @ 60 s           Min. operating temperature (static)         40 °C         00 °C (0 10000 h Operation           Operating tem	No. of bending cycles (C-track)	5 Mio. @ 25 °C
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 %           Material wire insulation         PP           Amount wires         3           Outer diameter lolerance core insulation         1,25 mm           Outer diameter lolerance core insulation         5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor or osssection (wire)         0,24 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	Cable weigth	44 g/m
Freedom from ingradients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
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 crosssection (wire)         0,34 mm²           Material conductor wire         Stranded opper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity min. wire         6 A           Electrical resistance line constant wire         5 7 Ω/km @ 20 °C           Nominal voltage power (xire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - wire)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Min. operating temperature (fixed)         80	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   2.5 %   Material wire insulation   PP   Material wire insulation   1,25 mm   Outer diameter lolerance core insulation   1,25 mm   Outer diameter lolerance core insulation   2.5 %   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)   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 - sheld)   2 kV @ 60 s   Power frequency withstand voltage power (wire - sheld)   2 kV @ 60 s   Power frequency withstand voltage power (wire - sheld)   80 °C / 90 °C @ 10000 h Operation   Operating temperature (istatic)   40 °C   Max. operating temperature (istatic)   50 °C   0 10000 h Operation   Departing temperature (istatic)   40 °C   Max. operating temperature (istatic)   40 °C   Max. operating temperature (istatic)   40 °C   Max. operating temperature (istatic)   50 °C   0 10000 h Operation   Departing temperature (istatic)   40 °C   Max. operating temperature (istatic)   40 °C   Max. operating temper	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           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)         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 Ωkm @ 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 (mixer)         80 °C / 9	Outer-diameter (jacket)	5 mm
Amount wires         3           Outer diameter insulation         1.25 mm           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 rosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor yee (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 Ø/km @ 20 °C           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency withstand voltage power (wire - shield)         2 kV @ 60 s           Min. operating temperature (sized)         40 °C           Max. operating temperature (sized)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (sized)         80 °C / 90 °C @ 10000 h Operation           <	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation         1,25 mm           Outer diameter toterance 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 vive         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor vive (wire)         \$ stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Current load capacity (strandard)         to DIN VDE 0298-4           Current load capacity (strandard)         to DIN VDE 0298-4           Current load capacity (wire - shield)         2 kV @ 60 s           Nominal voltage power (wire - shield)         2 kV @ 60 s           Power frequency wirthstand 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 (static)         40 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @	Material wire insulation	PP
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)         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 (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           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         G	Amount wires	3
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)         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           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           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           chemica	Outer diameter insulation	1,25 mm
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 a/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 (fixed) 80 °C / 90 °C @ 10000 h Operation  Flame resistance EC Go332-2-2   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) 10 x Outer diameter  Torsion speed 35 cycles/min	Outer diameter tolerance core insulation	±5%
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 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 - wire) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Diameter of single wires and sold apacity min. wire 6 A  Electrical 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 (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Power forein peed 35 cycles/min	Shore hardness wire insulation	70 ± 5 Shore D
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  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  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  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 × Outer diameter  Bending radius (fixed) 5 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of torsion cycles 2 Min.  Torsion speed 35 cycles/min	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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 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       Good, application-related testing         Gil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter	Amount strands (wire)	42
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 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  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  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  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	Diameter of single wires	0,1 mm
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 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  Electrostance Electrostance  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	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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 - 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  Elec 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 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Material conductor wire	Stranded copper wire, bare
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 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	Conductor type (wire)	strand class 6
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  AC withstand voltage power (wire - wire) 40 °C  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  No. of torsion speed 35 cycles/min	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Electrical resistance line constant wire 57 \( \Omega / \text{Pkm} \end{aligned} 20 \circ \text{C} \)  Nominal voltage power AC max. 300 V  AC withstand voltage power (wire - shield) 2 kV \( \end{aligned} 60 \text{ s} \)  Power frequency withstand voltage power (wire - wire) 2 kV \( \end{aligned} 60 \text{ s} \)  AC withstand voltage power (wire - wire) 2 kV \( \end{aligned} 60 \text{ s} \)  Min. operating temperature (static) -40 \( \circ \)  Max. operating temperature (fixed) 80 \( \circ C / 90 \circ C \) 10000 h Operation  Operating temperature min. (dynamic) -25 \( \circ C \)  Operating temperature max. (dynamic) 80 \( \circ C / 90 \circ C \) 10000 h Operation  Flame resistance IEC 6032-2-2   UL 1581 \( \xi \) 1100 FT2   UL 1581 \( \xi \) 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance 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	Current load capacity (standard)	to DIN VDE 0298-4
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)  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  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	Current load capacity min. wire	6 A
AC withstand voltage power (wire - shield) 2 kV @ 60 s  Power frequency withstand voltage power (wire - jacket) 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 × Outer diameter  Bending radius (dynamic) 10 × 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)  2 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  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	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  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	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 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		-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 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	Max. operating temperature (fixed)	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	Operating temperature min. (dynamic)	-25 °C
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
Torsion speed 35 cycles/min	No. of torsion cycles	2 Mio.
		35 cycles/min