

## M12 female 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 27m

Female straight M12, 4-pole

with cable sleeves

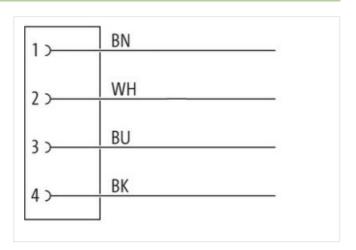
Plastic housings with good resistance against chemicals and oils.

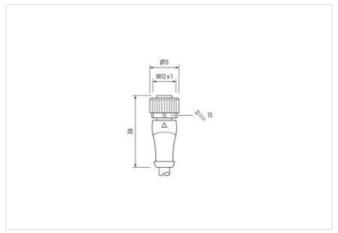
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

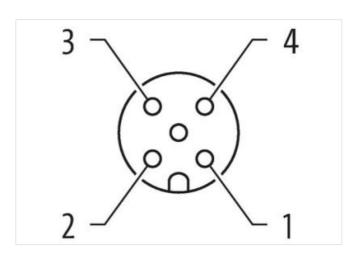
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

27 m

Side 1

Tightening torque 0,6 Nm



stay connected

Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	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	4048879548113
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 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
	WILAI
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 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
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
Cable identification	634
Cable Type	3
Jacket Color	black

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



## stay connected

Stranding	Type of Certificate	cURus
wire arrangement brown, black, blue, white  No. of bending cycles (C-track) 10 Mio. @ 28 °C  Cable weight 36.3 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) 4.5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 4   Outer diameter insulation PP  Amount wires 4  Outer diameter insulation 1,25 mm  Outer diameter insulation 7.0 ± 5 Shore D  Ingredient freeness wire insulation 7.0 ± 5 Shore D  Ingredient freeness wire insulation 1   Amount strands (wire) 42  Diameter of single wires O .1 mm  Conductor orassection (wire) 0.3 4 mm²  Material conductor wire Stranded copper wire, barre  Conductor type (wire) Stranded copper wire, barre  Conductor type (wire) Stranded copper wire, barre  Conductor type (wire) Stranded copper wire, barre  Conductor bype (wire) Stranded copper wire, barre  Conductor wire Collador (-Charak) 10 m @ 25 °C   Indizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4   Current load capacity min. wire 4,8 A  Electrical resistance line constant wire  Norminal voltage power (AC max. 300 V   Power frequency withstand voltage power (wire - wire) 2.5 kV @ 60 s   Max. operating temperature (mix. (dynamic) 45 °C ) 0 °C @ 10000 h Operation  Operating temperature max. (dynamic) 40 °C /90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 50 °C /90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 50 °C /90 °C @ 10000 h Operation  Operating resistance Good, application-related testing   DIN EN 60811-404  Bending radius (dynamic) 10 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  Toxion speed 38 °C yeles/min  Toxion speed 48 °C yeles —  Toxion speed 48 °C yel	Amount stranding	1
No. of bending cycles (C-track)  26.3 g/m  36.3 g/m  Material Jacket  PUR  Shore hardness jacket  90 ± 5 Shore A  Freedom from ingredients (jacket)  12.5 mm  Tolerance outer diameter (sheath)  25.5 mm  Duter diameter insulation  PP  Amount wires  4  Outer diameter outer outer ore insulation  1,25 mm  Duter diameter insulation  1,25 mm  Outer diameter ore ore insulation  1,25 mm  Outer diameter ore insulation  1,25 mm  Outer diameter ore ore insulation  1,25 mm  Outer diameter ore ore insulation  1,25 mm  Outer diameter silver insulation  1,25 mm  Outer diameter ore insulation  1,25 mm  Outer diameter ore insulation  1,25 mm  Outer diameter ore ore insulation  1,25 mm  Outer diameter ore insulation  1,25 mm  Outer diameter silver insulation  1,25 mm  Outer diameter silver insulation  1,25 mm  Outer diameter ore insulation ore insula	Stranding	4 wires twisted
Cable weigth         36.3 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Toflerance uter diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         125 mm           Outer diameter of single wires         0,1 mm           Conductor reseasection (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 (G-track)         10 m @ 25 °C   horizontal           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Okm @ 25 °C   horizontal           Nominal voltage power AC max.	wire arrangement	brown, black, blue, white
Material Jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from Ingredients (jacket)         4,5 mm           Tolerance outer diameter (jacketh)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter or 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         1,25 mm           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         1,1 mm           Onductor vive         0,1 mm           Conductor ressessedion (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m@ 25 °C (I horizontal           Current load capacity (standard)         to DIN VDE 0298-4	No. of bending cycles (C-track)	10 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 (jakett)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter lorlarone core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         2 ± 5 %           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossessection (wire)         0,3 4 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (3-track)         10 m@ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0294-4           Current load capacity (standard)         to DIN VDE 0294-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Q/km @ 20 °C           Nominal voltage p	Cable weigth	36,3 g/m
Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter losuration         1,25 mm           Outer diameter losuration         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 rorssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor by (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 2098-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 0 s           Min. operati	Material jacket	PUR
Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           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 Ising lew 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)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (sin wire)         2,5 kV @ 60 s	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter kolerance 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)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/m @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (mixed)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         U. 1581 § 1090   IEC 603	Outer-diameter (jacket)	4,5 mm
Amount wires         4           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 rosssection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 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         4,8 A           Electrical resistance line constant wire         57 O/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4882-2 A           Flame resistance         U1 1581 § 1090	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           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 capper wire, bare           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN WDE 0298-4           Current load capacity (standard)	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)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2,5 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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         Good, application-related	Amount wires	4
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)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing	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) 10 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 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Nominal voltage power AC max. 300 V Power frequency withstand voltage power (wire - wire) 2,5 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 UV resistance UL 1581 § 1909   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Min. Torsion speed 35 cycles/min	Outer diameter tolerance core insulation	± 5 %
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) 10 m @ 25 °C   horizontal  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (static) -40 °C  Max. operating temperature (min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flamer resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bendling radius (dynamic) 10 x Cuter diameter  Bendling radius (dynamic) 10 x Cuter diameter  Bending radius (dynamic) 2 Min.  Torsion speed 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)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  strand class 6  Traversing distance (C-track)  10 m @ 25 °C   horizontal  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 ½/km @ 20 °C  Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - wire)  4,5 kV @ 60 s  AC withstand voltage power (wire - wire)  4,0 °C  Max. operating temperature (fixed)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Vr esistance  DIN EN ISO 4892-2 A  Flame resistance  DIN EN ISO 4892-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oll resistance  Bending radius (fixed)  5 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed  35 cycles/min	Amount strands (wire)	42
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2,5 kV @ 60 s           Min. 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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           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)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of torsion c	Diameter of single wires	0,1 mm
Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           Nominal voltage power AC max.         300 V           Power frequency withstand voltage power (wire - wire)         2,5 kV @ 60 s           AC withstand voltage power (wire - wire)         2,5 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           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           No. of torsion cycles	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 \( \Omega \text{Jkm} \end{array} \) 20 °C  Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  AC withstand voltage power (wire - wire)  40 °C  Max. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic)  40 °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1990   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - wire)  2,5 kV @ 60 s  AC withstand voltage power (wire - wire)  4,8 K @ 60 s  AC withstand voltage power (wire - wire)  2,5 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)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 C/km @ 20 °C  Nominal voltage power AC max. 300 V  Power frequency withstand voltage power (wire - wire) 2,5 kV @ 60 s  AC withstand voltage power (wire - wire) 2,5 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 5 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)	10 m @ 25 °C   horizontal
Electrical resistance line constant wire 57 \( \Omega / \text{tm} \\ \text{ 2.5 kV} \\ \text{ 60 s} \\  Power frequency withstand voltage power (wire - yicket) 2.5 kV \( \text{ 60 s} \)  AC withstand voltage power (wire - wire) 2.5 kV \( \text{ 60 s} \)  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \text{ 0 10000 h Operation} \)  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \text{ 0 10000 h Operation} \)  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 \( \frac{1}{8} \) 1090   IEC 60332-2-2   UL 1581 \( \frac{8}{8} \) 1100 FT2  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) 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
Nominal voltage power AC max.  300 V  Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2.5 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  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  35 cycles/min	Current load capacity min. wire	4,8 A
Power frequency withstand voltage power (wire - jacket)  AC withstand voltage power (wire - wire)  2,5 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  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed	Electrical resistance line constant wire	57 Ω/km @ 20 °C
(wire - jacket)  AC withstand voltage power (wire - wire)  2,5 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  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
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  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed	Power frequency withstand voltage power (wire - jacket)	2,5 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 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)	2,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 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) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  No. of torsion cycles 35 cycles/min	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 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
UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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) 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
Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 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) 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
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) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of torsion cycles 2 Mio. Torsion speed 35 cycles/min	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 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	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance Good, application-related testing   DIN EN 60811-404  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	Good, application-related testing   DIN EN 60811-404
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
· · · · · · · · · · · · · · · · · · ·	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m