

## M8 male 90° / M8 female 0° A-cod. snap-in

PUR 3x0.25 bk UL/CSA+drag ch. 0.3m

Male 90° – female straight M8 (Snap In) – M8 (Snap In), 3-pole Further cable lengths on request.

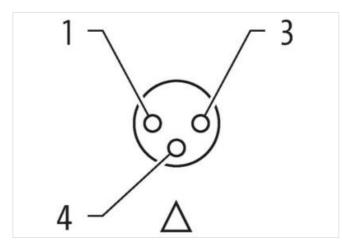
Plastic housings with good resistance against chemicals and oils.

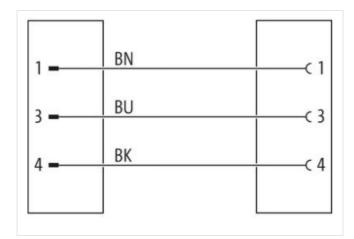
The resistance to aggressive media should be individually tested for your application. Further details on request.

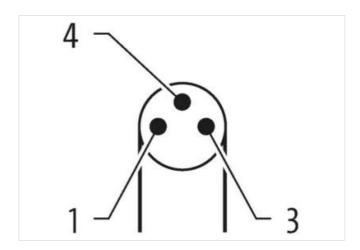
## **Link to Product**

## Illustration











stay connected





Product may differ from Image











Cable length	0,3 m
Side 1	
Thread	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Commercial data	
ECLASS-6.0	27061801
customs tariff number	85444290
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 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
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP65
Additional condition protection degree	inserted, locked
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Material housing	PUR
Mechanical data   Mounting data	
Looking techniques	Snap In
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 61076-2-114 (M8)
Installation   Cable	

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: 2024-05-01



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Jacket Color	Cable identification	630
Type of Certificate	Cable Type	3
Stranding   3 wires twisted	Jacket Color	black
Stranding   3 wires twisted	Type of Certificate	cURus
wire arrangement         brown, black, blue           Cable weight         26.4 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4,1 mm           Tolerance outer diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter 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	Amount stranding	1
wire arrangement         brown, black, blue           Cable weight         26.4 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4,1 mm           Tolerance outer diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         1,25 mm           Outer diameter 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	Stranding	3 wires twisted
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.1 mm           Tolerance outer diameter (jacket)         4.1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor (respective)         0,2 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (vire)         9,2 mm²           Material conductor wire         Strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load c	wire arrangement	brown, black, blue
Shore hardness jacket   90 ± 5 Shore A	Cable weigth	26,4 g/m
Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter Insulation         1,25 mm           Outer diameter Insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         125 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C+rack)         10 m @ 25 °C) horizontal           Traversing distance (C+rack)         10 m @ 25 °C horizontal           Traversing distance (C+rack)         10 low @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 D/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency wit	Material jacket	PUR
Outer-diameter (jacket)         4,1 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter roberance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C (broizontal           Traversing distance (C-track)         10 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity winh. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - yiacket)         80 °C / 90 °C @ 10000 h Operation           Operating temperature mix. (dynamic)         25 °C<	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer disimeter (sheath)	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           Under diameter follorance core insulation         25 %           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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, barre           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Current load capacity min. wire         4.5 A           Ellectrical resistance	Outer-diameter (jacket)	4,1 mm
Amount wires 3 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 2,5 km  Outer diameter tolerance core insulation 5,0 km  Outer diameter tolerance core insulation 5,5 km  Outer diameter tolerance core insulation 70 ± 5 km  Diameter of single wires lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor or sossection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C   horizontal Traversing distance (C-track) 10 m @ 25 °C   horizontal Travel speed (C-track) 10 m @ 25 °C   hor	Tolerance outer diameter (sheath)	± 5 %
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)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C*track)         10 m @ 25 °C   horizontal           Traversing distance (C*track)         10 mio. @ 25 °C           Nominal voitage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 02 °C           AC withstand voltage (wire - iacket)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -80 °C / 90 °C @ 10000 h Operation           UV	Material wire insulation	PP
Outer diameter tolerance core insulation         ± 5 %           Shore bardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         10 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - irequency wirequency withstand voltage (wire - irequency withstan	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) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C   horizontal Travel speed (C-track) 10 m @ 25 °C   horizontal Travel speed (C-track) 10 Mio. @ 25 °C Nominal voltage AC max 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - iacket) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Coll resistance Good, application-related testing Ending radius (fixed) 5 x Outer diameter Bending radius (fixen) 10 x Outer diameter Ending radius (foynamic) 10 x Outer diameter Ending radius (foynamic) 10 x Outer diameter Ending radius (foynamic) 10 x Outer diameter Toxion speed 35 cycles/min	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C   horizontal Travel speed (C-track) 10 Mio. @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Ellectrical resistance line constant wire 79 0/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1090   L1581 § 1100 FT2   IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resistance Good, application-related testing Gasoline resistance Good, application-related testing Oli resistance Action of the control of the c	Outer diameter tolerance core insulation	±5%
Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) strand class 6  Traversing distance (C-track) 10 m @ 25 °C   horizontal  Travel speed (C-track) 10 Mio. @ 25 °C  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity wire 4,5 A  Electrical resistance line constant wire 79 O/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket) 40 °C  Max. operating temperature (static) 40 °C  Max. 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  UV resistance DIN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FTZ   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN En 60811-404  Bending radius (dynamic) 10 × Outer diameter  Bending radius (dynamic) 10 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m² e 25 °C   horizontal           Travel speed (C-track)         10 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (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 § 1909   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Travel speed (C-track)         10 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - glacket)         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   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         5 x Outer d	Amount strands (wire)	32
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 10 m @ 25 °C   horizontal Travel speed (C-track) 10 Mio. @ 25 °C Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,5 A Electrical resistance line constant wire 79 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - inck) lacket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) 2-25 °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   UL 1581 § 1100 FT2   IEC 60332-2-2 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) S × Outer diameter Bending radius (fixed) 10 × 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) 10 m @ 25 °C   horizontal  Travel speed (C-track) 10 Mio. @ 25 °C  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 79 Q/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Max. 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  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oll resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 5 × Outer diameter  Bending radius (foxed) 5 × Outer diameter  No. of torsion cycles 2 Mio.  Torsion speed 35 cycles/min	Conductor crosssection (wire)	0,25 mm <sup>2</sup>
Traversing distance (C-track)  10 m @ 25 °C   horizontal  Travel speed (C-track)  10 Mio. @ 25 °C  Nominal voltage AC max.  300 V  Current load capacity (standard)  to DIN VDE 0298-4  Current load capacity min. wire  4,5 A  Electrical resistance line constant wire  79 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  No. of torsion cycles  2 Mio.  Torsion speed	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track)         10 Mio. @ 25 °C           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,5 A           Electrical resistance line constant wire         79 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - ajacket)         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 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2           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 <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       79 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       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   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing   DIN EN 60811-404         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)	10 m @ 25 °C   horizontal
Current load capacity (standard)  Current load capacity min. wire  4.5 A  Electrical resistance line constant wire  79 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2.5 kV @ 60 s  Power frequency withstand voltage (wire - iacket)  All incorporating 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 § 1990   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  No. of torsion cycles  35 cycles/min	Travel speed (C-track)	10 Mio. @ 25 °C
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 79 \( \textit{D} \textit{lw} \end{align*} \) 20 °C  AC withstand voltage (wire - wire) 2,5 kV \( \end{align*} \) 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C \( \end{align*} \) 10000 h Operation  Operating temperature min. (dynamic) 25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C \( \end{align*} \) 10000 h Operation  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 \( \frac{1}{2} \) 1090   UL 1581 \( \frac{1}{2} \) 1100 FT2   IEC 60332-2-2  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 AC max.	300 V
Electrical resistance line constant wire 79 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 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   UL 1581 § 1100 FT2   IEC 60332-2-2  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	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  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   UL 1581 § 1100 FT2   IEC 60332-2-2  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 speed  35 cycles/min	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  OPERATING THE STATE OF T	Electrical resistance line constant wire	79 Ω/km @ 20 °C
Jacket)  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   UL 1581 § 1100 FT2   IEC 60332-2-2  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	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  OPERATING THE MISSO 4892-2 A  Flame resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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	Power frequency withstand voltage (wire - jacket)	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   UL 1581 § 1100 FT2   IEC 60332-2-2 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	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   UL 1581 § 1100 FT2   IEC 60332-2-2  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   UL 1581 § 1100 FT2   IEC 60332-2-2 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 35 cycles/min	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 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   UL 1581 § 1100 FT2   IEC 60332-2-2
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