

## M8 female 90° A-cod. with cable shielded

PUR 4x0.34 shielded gy UL/CSA+drag ch. 3m

Female 90° M8, 4-pole shielded

with cable sleeves

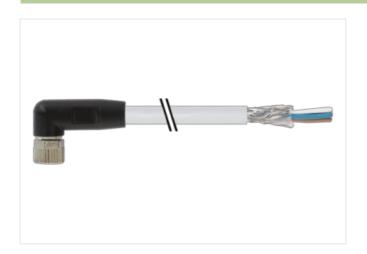
Further cable lengths on request.

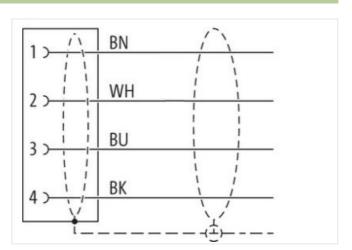
Plastic housings with good resistance against chemicals and oils.

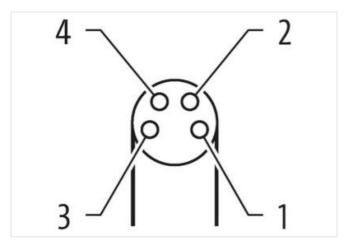
The resistance to aggressive media should be individually tested for your application. Further details on request.

## **Link to Product**

## Illustration









Product may differ from Image











Cable length

3 m

Side 1

Tightening torque

0,4 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: 2024-05-20



stay connected

Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879421614
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	
Operating voltage AC (UL-listed)	60 V 30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	7/1
	00
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Note on bending radius	endangered by excessive bending forces.

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stay connected

Installation   Cable   C	Conformity	
Cable identification         241           Cable in Type         3           Jacked Color         gray           Type of Certificate         CURus           Amount Stranding         1           Stranding         4 wires liveled           Cable shelding (type)         coper braid, timed           Cable shelding (type)         coper braid, timed           Cable shelding (type)         coper braid, timed           Cable with (type) <t< th=""><th>Product standard</th><th>DIN EN 61076-2-114 (M8)</th></t<>	Product standard	DIN EN 61076-2-114 (M8)
Cable identification         241           Cable injunction         3           Jackel Color         gray           Type of Certificate         cURus           Annount Starding         1           Stranding         4 wires twested           Cable shielding (type)         copper braid, tinned           Cable shielding (coverage)         80 %           Banding         Fleeour, Foll           Wee arrangement         brown, black, blue, white           Cable weight         50 ft g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         90 ± 5 Shore A           Cold disableting (seeket)         5.3 mm           Tollerance outer disabletin (seeket)         5.3 mm           Tollerance outer disabletin (seeket)         5.3 mm           Tollerance outer disabletin (seeket)         5.5 %           Amount stream         4           Outer disabletin (seeket)         5.5 %           Shore burstness wire insulation         19 ft m           Tollerance outer insulation         19 ft m           Outer disabletin (seeket)         4.5 %           Durandir of simple wires         1.5 mm           <	Installation   Cable	
Cable Type         3           Jacket Clotr         gray           Type of Certificate         CUBus           Amount stratding         1           Stranding         4 wires twisted           Cable shielding (overage)         80 %           Bandring         Fleeco, Foll           wire arrangement         brown, black, blue, white           Cable weight         50 £ pm           Manerial jacket         PUR           Shore hardness jacket         PUR           Shore landness jacket         PUR           Amount start started (weit)         1.2 5 mm           Outer diameter insulation         1.2 5 mm           Outer diameter insulation         1.2 5 mm           Outer diameter insulation		241
Jacket Cobr		
Type of Certificate cURus  Amount stranding 1  Amount stranding 4  Amount stranding 4  Freech Foll  Stranding 4  Freech Foll  Stranding Fleece, Foll  Wide arrangement brown, black, blue, white  Cable shelding (coverage) 50,6 g/m  Material jackset PUR  Shore hardress juckset PUR  Freedom from ingredients (jackset) 90 ± 5 Shore A  Freedom from ingredients (jackset) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer-diameter (jackset) 53,3 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires  4  Outer diameter traudation 1,25 mm  Outer diameter traudation 70 ± 5 Shore D  Shore hardress wire insulation 1,25 mm  Outer diameter traudation 1,25 mm  Outer diameter (sheath) 5 mm  Outer diameter (sheath) 5 mm  Free CFC-free, halogen-free, silicone-free  Amount strands (wire) 4  Diameter of single wries 0,1 mm  Conductor crosssection (wire) 1,25 Shore D  Shore hardress wire insulation 1,25 mm  Outer diameter (sheath) 5 mm  Conductor crosssection (wire) 2,34 mm²  Amount strands (wire) 3,4 mm²  Conductor crosssection (wire) 5 mm²  Shore hardress wire insulation 1,25 mm  Outer diameter (sheath) 5 mm²  Conductor crosssection (wire) 5 mm²  Conductor crosssection (wire) 5 mm²  Conductor crosssection (wire) 5 mm²  Conductor wire 5 mm²  Conductor crosssection (wire) 5 mm²  Conductor crosssection (wire) 5 mm²  Conductor wire 6 mm²  Conductor wire 6 mm²  Conductor wire 6 mm²  Conductor wire 7 mm²  Conductor wire 7 mm²  Conductor wire 7 mm²  Conductor wire 7 mm²  Conductor wire 8 mm²  Conductor wire 8 mm²  Conductor wire 9 mm²  Conductor wire	• • • • • • • • • • • • • • • • • • • •	
Amount stranding   1		
Stranding   Stoke shielding (coverage)   80 %   Stranding   Stoke Stranding   Stranding   Stranding   Stranding   Stranding   Stoke Stranding   Str	,,	
Cable shielding (type)         copper braid, funed           Cable shielding (coverage)         80 %           Bandring         Fleece, Foil           wire arrangement         brown, Natck, blue, white           Cable weight         50.8 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingedents (jacket)         5.3 mm           Tolerance outer diameter (jacket)         5.3 mm           Tolerance outer diameter (jacket)         5.3 mm           Outer-diameter (jacket)         5.5 %           Material wire insulation         PP           Annual wires         4           Outer diameter (solvance ore insulation         1.25 mm           Outer diameter (solvance ore insulation         1.25 mm           Outer diameter (solvance ore insulation         1.25 mm           Ingredient freeness were insulation         1.01 mm           Porture diameter (solvance ore insulation)         1.25 Mm           Ingredient freeness were insulation         1.01 mm           Conductor Orssex were insulation         1.01 mm           Ingredient freeness were insulation         1.02 mm           Ingredient freeness were insulation         1.02 mm           Ingredient freeness were insulat	<u> </u>	
Cable shlekting (coverage)         80 %           Banding         Fleece, Foll           wie arrangement         brown, black, blue, white           Cable weigh         50,6 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)         5,3 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 viorance core insulation         1,25 mm           Outer diameter viorance core insulation         1,25 mm           Outer diameter viorance core insulation         1,25 mm           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 10 mm		
Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigh         50.6 mm           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingredients (jacket)         bead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.3 mm           Tolerance outer diameter (jacket)         5.5 mm           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         2.5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         2.5 %           Amount strands (wire)         42           Dameter 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           Nominal voltage AC max.         300 V           Current lead capacity (standard)         to DIN VDE Q88-4	- '-' '	
wire arrangement         brown, black, blue, white           Cable weight         50.6 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         15 Shore A           Treatom from ingredients (jacket)         5.5 mm           Outer-diameter (jacket)         5.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Shore hardness wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         7.0 ± 5 Shore D           Ingredient freeness wire insulation         8.2 ± 2           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         4.2           Diameter of single wires         0,1 mm           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5.7 mg 25 °C   horizontal           Nominal voltage (wire)         4.8 A           Current load capacity (int numer         5.7 DArm @ 20 °C           AC withstand voltage (wire - wire)         2.kV @ 60		
Cable weight         50.6 g/m           Material jacket         PUR           Shore hardness jacket         90.8 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter sublation         1,25 mm           Outer diameter sublation         1,25 mm           Outer diameter size wire insulation         1,25 mm           Outer diameter size in sublation         1,25 mm           Outer diameter of large wires         1,25 mm           Outer diameter of single wires         0,1 mm           Conductor of size wires         0,1 mm           Conductor of virein         3,3 mm           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity viria. wire         4,8 A           Electrical resistance line constant wire         57 Cl/km @ 20 °C           AC withstand		· · · · · · · · · · · · · · · · · · ·
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)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Ingredient freeness wire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 %           Conductor law few few few         0.1 mm           Conductor law few few few	<u> </u>	
Shore hardness jacket   90 ± 5 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Cuter-free   CFC-free, halogen-free, silicone-free   CTC-free, halogen-free, silicone-free		
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5,3 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter trollarance core insulation         ± 5 %           Shore bardness 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 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           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         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s <td></td> <td></td>		
Outer-diameter (jacket)         5,3 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 single wires         0,1 mm           Conductor of single wires         0,1 mm           Conductor type (wire)         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Electrical resistance line constant wire         57 Dkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - siled)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperatu	<u> </u>	
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter lostrance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter O single wires         0,1 mm           Conductor or sessection (wire)         3.4 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voitage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load voitage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (static)         40 °C           Operating temperature max. (dynamic)         25 °C		· · · · · · · · · · · · · · · · · · ·
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         2.5 %           Shore hardness wire insulation         10.25 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stands (wire)         42           Diameter of single wires         0,1 mm           Conductor (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, barre           Conductor (wire)         5.4 mm²           Material conductor wire         Stranded copper wire, barre           Conductor type (wire)         stranded copper wire, barre           Taversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           New frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         40 °C           Ma		<del>`</del>
Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter loreance 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 orosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m 2° °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -60 °C           Operating temperature (static)         -60 °C	, ,	
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 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           Nominal voltage AC max.         300 V           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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         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 mix. (dynamic)         -25 °C           Operating tem	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           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 0/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - sileck!)         2 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)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature	Amount wires	
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           Nominal voltage AC max         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         57 C/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         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         UL 1581 § 1100 FT2   UL 1581 § 190   IEC 60332-2-2           Chemical resistance         Good, application-r	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	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)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1990   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gil resistance         DIN EN 60811-404   Good, application-related testing	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  Nominal voltage AC max. 300 V  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  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - shield) 2 kV @ 60 s  AC withstand voltage (wire - shield) 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 UL 1581 § 1100 FT2   UL 1581 § 1909   IEC 60332-2-2  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  Tavel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	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)  5 m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  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  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 Min. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	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  Nominal voltage AC max. 300 V  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  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  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 UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles ± 30 °/m	Diameter of single wires	0,1 mm
Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           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           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2 kV @ 60 s           AC withstand voltage (wire - shield)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           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         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           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 (fixed)         5 X Outer diameter           Travel speed	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Traversing distance (C-track) 5 m @ 25 °C   horizontal    Nominal voltage AC max. 300 V  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  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - ack with a constant wire 40 consta	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - ack of the standard of the stand	Conductor type (wire)	strand class 6
Current load capacity (standard)  Current load capacity min. wire  4,8 A  Electrical resistance line constant wire  57 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  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  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2 kV @ 60 s         AC withstand voltage (wire - shield)       2 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         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         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 30 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 57 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2 kV @ 60 s  AC withstand voltage (wire - shield) 2 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles ± 30 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  2 kV @ 60 s  2 kV @ 60 s  AC withstand voltage (wire - shield)  2 kV @ 60 s  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Plame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Chemical resistance  Good, application-related testing  Gasoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  Div X Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 30 °/m	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)  AC withstand voltage (wire - shield)  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  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  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  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - shield)  AC with stand voltage (wire - shield)  AC wolt with stand voltage (wire and stand voltage (with stand voltage	AC withstand voltage (wire - wire)	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  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  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  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m		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  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	AC withstand voltage (wire - shield)	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  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Gasoline resistance  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m		
Operating temperature min. (dynamic) Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Oil resistance Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		80 °C / 90 °C @ 10000 h Operation
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		<u>·</u>
Flame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  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  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m		
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 Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	1 0 1 1, 7	
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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		······································
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m		
Torsion stress ± 30 °/m		<del>-</del>
	<u> </u>	
Torsion speed 35 cycles/min	Torsion speed	