

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

PUR 4x0.34 shielded gy UL/CSA+drag ch. 7.5m

Male 90° M8, 4-pole shielded

with cable sleeves

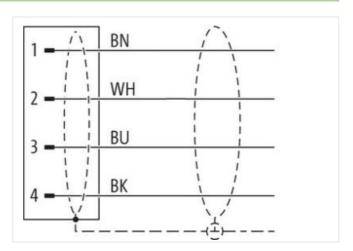
Plastic housings with good resistance against chemicals and oils.

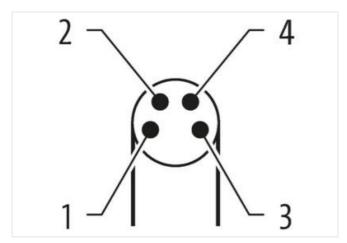
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

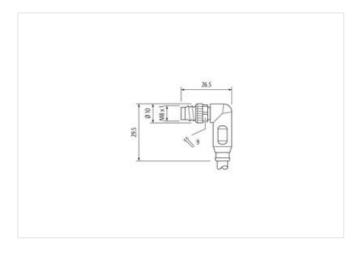
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

7,5 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: 2024-05-19



Mounting method	inserted, screwed
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Family construction form Thread	M8
suitable for corrugated tube (internal Ø)	6,5 mm
Material	PUR
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	1F05, 1F00K, 1F07
	07070040
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	4048879413350
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
Installation   Connection	
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data   Material data	
Coating locking	nickel plated
Coating of fitting	nickel plated
Locking material	Brass
Material screw connection	Brass
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.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	

Cable identification

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## stay connected

Stranding   1	Cable Type	3
Stranding   1	Jacket Color	gray
Stranding	Type of Certificate	cURus
Cable shielding (coverage)         80 %           Banding         Floeoe, Foll           wis arrangement         brown, Isack, blue, white           Cable weight         50,6 g/m           Material jackot         PUR           Material jackot         PUR           Shore hardnoss jacket         90 ± 5 Shore A           Freedom from ingedients (jacket)         5.3 mm           Tolerance outer diameter (shealth)         ± 5 %           Marterial wire insulation         PP           Amunut wires         4           Outer diameter invaluation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore laterities wire insulation         ± 5 %           Characties stance in self-s	Amount stranding	1
Cable shielding (coverage)         80 %           Banding         Floeco, Foil           wie arrangement         brown, black, blue, white           Cable weight         50.8 g/m           Material jacket         PUR           Shore hardness jacket         90.1 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)         2.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Ingredient Treeness wire insulation         70 ± 5 Shore D           Ingredient Treeness wire insulation         70 ± 5 Shore D           Ingredient Treeness wire insulation         70 ± 5 Shore D           Ingredient Treeness wire insulation         70 ± 5 Shore D           Ingredient Treeness wire insulation         70 ± 5 Shore D           Ingred	Stranding	4 wires twisted
Banding         Fleece, Foil           wire arrangement         brown, black, blue, white           Cable weigh         50.6 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.3 mm           Tolerance outer diameter (heatth)         ± 5 %           Marterial Wire insulation         PP           Annount wires         4           Outer diameter insulation         1.25 mm           Outer diameter of viername size insulation         1.25 mm           Outer diameter of viername size insulation         1.25 mm           Outer diameter of viername size insulation         4.2           To Conductor of single wires         0.1 mm           Conductor of single wires         0.1 mm           Conductor type (wire)         5 trand class 6 </td <td>Cable shielding (type)</td> <td>copper braid, tinned</td>	Cable shielding (type)	copper braid, tinned
wire arrangement brown, black, blue, white Cable weigh S0,6 g/m Material jacket PUR Shore hardness jacket 190 ± Shore A Freedom from ingredients (jacket) lead-free, cadmirum-free, CFC-free, halogen-free, sillcone-free Under-diameter (jacket) 5,3 mm Tollerance outer clameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 1,25 mm Outer diameter insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter fereness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 1,25 mm Outer diameter fereness 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 1,25 mm Outled dameter of single wires 0,1 mm Outled dameter of single wires 0,1 mm Outled dameter of single wires 0,1 mm Outled dameter of single wires 0,34 mm² Material conductor wire 1 Stranded copper wire, bare Conductor vive (wire) 1 Stranded copper wire, bare Conductor vive (wire) 1 Stranded opper wire, bare 2 Stranded op	Cable shielding (coverage)	80 %
Cable weight         50.6 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.3 mm           Toferance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter louterance core insulation         1.25 mm           Outer diameter insulation         1.55 mm           Outer diameter size insulation         1.5 mm           Outer diameter size wire insulation         1.5 mm           Outer diameter size insulation         1.5 mm           Outer diameter size wire insulation         1.5 mm           Outer diameter size wire insulation         1.5 mm           Outer diameter (insulation)         2.5 %           Shore hardness wire insulation         1.2 mm           Outer diameter (insulation)         2.2 mm           Outer diameter (insulation)         1.2 mm           Tavavising distalianc	Banding	Fleece, Foil
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedon from ingredients (jacket)         5,3 mm           Tolerance outer diameter (jacket)         5,3 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter triasulation         1,25 mm           Outer diameter triasulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Annount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         3,3 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C (I horizontal           Nominal voltage (xire)         1,0 Mm @ 20 °C           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           AC	wire arrangement	brown, black, blue, white
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CPC-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 toterance core insulation         1,25 mm           Outer diameter toterance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         16 4 Fee, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor year (wire)         0,3 mm²           Conductor year (wire)         0,4 mm²           Material conductor wire         Stranded copper wire, bare           Conductor year (wire)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity grain, wire         4,8 A           Electrical resistance line constant wire         57 Okm @ 20 °C           AC withstand voltage (wire - shield)         2 kV @ 60 s      <	Cable weigth	50,6 g/m
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5.3 mm           Toferance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         1,25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor cross-section (wire)         42           Diameter of single wires         0,1 mm           Conductor try (wire)         5 m @ 25 °C   horizontal           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max         300 V           Current load capacity min. wire         4,8 A           Electrical resistance line constant wire         5 f Ω km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Min. operating temperature min. (dynamic)	Material jacket	PUR
Outer-diameter (jackett)         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 Isingle 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 wint. 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 @ 10000 h Operation	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           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 or sessection (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 IVDE 0298-4           Current load capacity min. wire         4.8 A           Electrical resistance line constant wire         57 O/km @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Pewer frequency withstand voltage (wire - sheld)         2 kV @ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °	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 folorance core insulation         2.5 %           Shore hardness wire insulation         70.£ 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor viressaection (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)         10 IN 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 (static)         -40 °C           Max. operating temperature (static)         -80 °C / 90 °C @ 100000 h Operat	Outer-diameter (jacket)	5,3 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 or 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 vire         57 DAm @ 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 min. (dynamic)         2.2 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, applicati	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         10±5 %           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 (wire - wire)         2 kW @ 60 s           Power frequency withstand voltage (wire - wire)         2 kW @ 60 s           Power frequency withstand voltage (wire - wire)         2 kW @ 60 s           AC withstand voltage (wire - shield)         2 kW @ 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	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 oressection (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 (wire - wire)         2 kV @ 60 s           Electrical resistance line constant wire         57 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2 kV @ 60 s           AC withstand voltage (wire - sheld)         2 kV @ 60 s           Min. operating temperature (sitatic)         40 °C           Max. operating temperature (sited)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         0 °C @ 10000 h Operation     <	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)         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 max. (dynamic)         25 °C           Operating temperature max. (dynamic)         25 °C           Clamp temperature max. (dynamic)         30 °C / 90 °C @ 10000 h Operation           Flame 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)         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/m @ 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)         30 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating resistance         Good, application-related testing	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 (standard) to DIN VDE 0298-4  Current load capacity min. wire 4,8 A  Electrical resistance line constant wire 57 r0/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) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1100 FT2   UL 1581 § 1900   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	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           Taversing 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 (static)         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         Good, application-related testing           Gli resistance         DIN EN 6081-404   Good, applicatio	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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 Ø/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 (static)         40 °C           Max. 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 § 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-relat	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 - shield)         2 kV @ 60 s           Ac withstand voltage (wire - shield)         2 kV @ 60 s           Max. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating teresistance         UL 1581 § 1100 FT2   UL 1581 § 1901   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (dynamic)         10 x O	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           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 (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 § 1900   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio. <td>Conductor crosssection (wire)</td> <td>0,34 mm<sup>2</sup></td>	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 - 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  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Fravel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	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 - 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 (fixed)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio.           Torsion stress         ± 30 °/m	Conductor type (wire)	strand class 6
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           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 § 1909   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 × 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 \( \Omega \) \( \cdot \) \( \cdo \)	Current load capacity (standard)	to DIN VDE 0298-4
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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 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  Oil resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 × 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
jacket)  AC withstand voltage (wire - shield)  AC with ac word of the control o	AC withstand voltage (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  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)  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 30 °/m	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed)  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)  DIN EN 60811-404   Good, application-related testing  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 30 °/m	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °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)  S x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) No. of torsion cycles  ± 30 °/m  So oc / 90 °C @ 10000 h Operation So occ / 90 °C @ 10000 h Operation So occ / 90 °C @ 10000 h Op	Min. operating temperature (static)	-40 °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	Max. operating temperature (fixed)	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	Operating temperature min. (dynamic)	-25 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 30 °/m	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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	chemical resistance	Good, application-related testing
Bending radius (fixed)  5 x Outer diameter  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 30 °/m	Gasoline resistance	Good, application-related testing
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
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
No. of torsion cycles         2 Mio.           Torsion stress         ± 30 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 30 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cvcles/min	Torsion stress	± 30 °/m
	Torsion speed	35 cycles/min