

## M8 female 0° A-cod. with cable

PUR 3x0.34 or UL/CSA+robot+drag ch. 10m

Female straight

M8, 3-pole

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

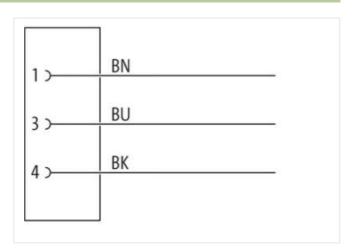
The resistance to aggressive media should be individually tested for your application. Further details on request.

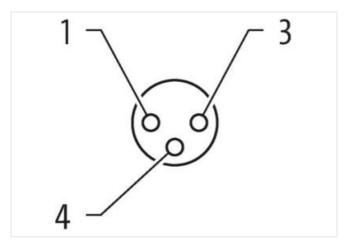
Further cable lengths on request.

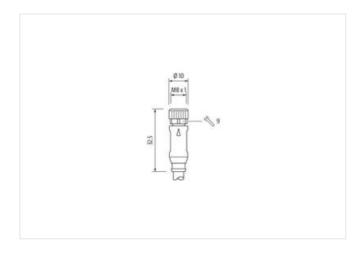
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

10 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: 2024-05-18



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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6.5 mm
Cable outlet	· · · · · · · · · · · · · · · · · · ·
	straight
Coding  Material contact	A
Material Contact	Copper alloy
	PUR
No. of poles Width across flats	3 SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
	1703, 1700N, 1707
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27061801
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879865371
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
Diagnostics	
Status indication LED	no
	110
Installation   Connection	
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	1,5 kV
Material group (IEC 60664-1)	1
Mechanical data   Material data	
Coating locking	safe-cover coated
Coating of fitting	nickel plated
Material gasket	FKM
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
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Note on train related Note on training related Note of training related Not	Additional condition temperature range	depending on cable quality
Note on strain rolled Protection by suitable measures from mechanical loads, e.g. by the usage of cable lites.  Attention: Observe the permissible bonding radii when laying cables, as the IP protection class can be endanged by excessive bending forces.  Conformity  Troduct standard Installation   SN 5  Sabe Identification   SN 5  Sabe Installation   Cable   Sabe I	· · ·	educing the desired from A
Action on bending radius  Contomity  Product standard DNE 61076-2-104 (M8)  Intellation (Cabbe S	•	Protect the connectors by suitable measures from mechanical leads, a.g. by the usage of cable ties
andiagrared by excessive bending forces.  Carloring W  Product standard DIN EN 61076 2-104 (MB)  Installation Cabbe  Sable Type S  Sable Standard S  Sable Type S  Sable T		
Installation   Cable	Note on bending radius	
Installation   Cable	Conformity	
Cabbe International Common   September	Product standard	DIN EN 61076-2-104 (M8)
Sacket Color	Installation   Cable	
Sacket Color	Cable identification	845
Jacket Color		
Type of Certificate   CURus	Jacket Color	
Stranding   3 wires twisted	Type of Certificate	
wire arrangement         brown, black, blue           Zable weight         33 g/m           Waterial jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Under diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Material wire insulation         PP           Material wire insulation         1,25 mm           Duter diameter (sheath)         ± 5 %           Material wire insulation         1,25 mm           Duter diameter (sheath)         ± 5 %           Material wire insulation         1,25 mm           Duter diameter (sheath)         ± 5 %           Material core insulation         1,25 mm           Duter diameter (sheath)         ± 2 % December on the sheath of the sheath	Amount stranding	1
Cable weight         33 g/m           Valerial jacket         PUR           Material jacket         54 ± 5 Shore D           Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Duter-diameter (jacket)         4.5 mm           Tolerance outer diameter (hauter)         2.5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1,25 mm           Under diameter insulation         73 ± 5 Shore D           Ingredient freeness wire insulation         73 ± 5 Shore D           Ingredient freeness wire insulation         42 ± 2           Dameter of single wires         0,1 mm           Conductor cossessetion (wire)         42           Dameter of single wires         0,1 mm           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C I horizontal           Voluntarial voltage (wire)         5 m @ 25 °C I horizontal           Voluntarial voltage (wire - wire)         6 A           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (in, wire)         6 A           AC withstand voltage (wire - wire)         2,5 kV @ 60 s	Stranding	3 wires twisted
Material jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4,5 mm           Folkerance outer diameter (sheath)         ± 5 %           Aderial wire insulation         PP           Amount wires         3           Duter diameter insulation         1,25 mm           Under diameter foreance core insulation         1,25 mm           Shore hardness wire insulation         73 ± 5 Shore D           Ingredient freeness wire insulation         18 4 5 %           Shore hardness wire insulation         18 4 7 €           Agrange freeness wire insulation         18 4 €           Agrange freeness wire insulation         18 5 Shore D           Ingredient freeness wire insulation         18 2 5 Shore D           Diameter of single wires         0.1 mm           Onductor or cossection (wire)         0.34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand dass 6           Traversing distance (G-track)         5 m @ 25 °C (Indicated Lagrange Amount of Lagrange Amount o	wire arrangement	brown, black, blue
Shore hardness jacket	Cable weigth	33 g/m
Feredom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Duter-diameter (jacket)   4,5 mm	Shore hardness jacket	54 ± 5 Shore D
Duter-diameter (jacket)   4,5 mm	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
5 %	Outer-diameter (jacket)	
Amount wires 3  Duter diameter insulation 1,25 mm  Duter diameter insulation 2,5 km  Shore hardness wire insulation 1,25 km  Shore hardness wire insulation 1,35 knore D  Ingredient freeness wire insulation 1,3 knore hardness wire insulation 1,3 knore 1,3	Tolerance outer diameter (sheath)	± 5 %
Duter diameter insulation         1,25 mm           Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         73 ± 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)         10 DIN VDE 0298-4           Current load capacity min. wire         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2.5 kV @ 60 s           Wifn. operating temperature (static)         40 °C           Max. operating temperature (min. (dynamic)         25 °C           Opperating temperature min. (dynamic)         26 °C           Opperating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Opp	Material wire insulation	PP
Duter diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         73 ± 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         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - acket)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (mixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         90 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing <td>Amount wires</td> <td>3</td>	Amount wires	3
Shore hardness wire insulation 73 ± 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  Stranded copper wire, bare  Onductor type (wire) strand class 6  Treversing 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 6 A  Cilictrical resistance line constant wire 60 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  Win. operating temperature (static) -40 °C  Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Deresistance UL 1581 § 1100 FT2   UL 1581 § 1091   EC 60332-2-2  Chemical resistance Good, application-related testing  Bandling radius (fixed) 5 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion stress ± 360 °/m	Outer diameter insulation	1,25 mm
Impredient 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  Fraversing 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 6 A  Current load capacity wire wire 9  2,5 kV @ 60 s  Current load capacity min. wire 6 A  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capaci	Shore hardness wire insulation	73 ± 5 Shore D
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  Fraversing 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 6 A  Current load capacity wire wire 9  2,5 kV @ 60 s  Current load capacity min. wire 6 A  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capacity with stand voltage (wire - 2,5 kV @ 60 s  Current load capaci	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)  Material conductor wire  Stranded copper wire, bare  Strand class 6  Traversing distance (C-track)  S m @ 25 °C   horizontal  Nominal voltage AC max.  300 V  Current load capacity standard)  Current load capacity min. wire  60 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Departing temperature max. (dynamic)  25 °C  Departing temperature max. (dynamic)  Bood, application-related testing  Sanding radius (fixed)  5 x Outer diameter  Sending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Amount strands (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)  current load capacity min. wire  6 A  Electrical resistance line constant wire  60 \( \Omega \text{km} \) \( \omega \text{cm} \) \( \omega \text{cm} \)  AC withstand voltage (wire - wire)  2.5 kV \( \omega \text{ 60 s} \)  Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  AD perating temperature (fixed)  80 °C / 90 °C \( \omega \text{ 10000 h Operation} \)  Deparating temperature max. (dynamic)  25 °C  Deparating temperature max. (dynamic)  80 °C / 90 °C \( \omega \text{ 10000 h Operation} \)  Flame resistance  UL 1581 \( \frac{1}{3} \) 1100 FT2   UL 1581 \( \frac{1}{3} \) 1909   IEC 60332-2-2  shemical resistance  Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  10 Mio. \( \omega \text{ 25 °C} \)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/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 (standard) 6 A  Electrical resistance line constant wire 6 A  Coverent load capacity min. wire 6  Coverent load capacity min. wire 1  Coverent load capacity min. wi	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 6 A  Cliectrical resistance line constant wire 60 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket) 2,5 kV @ 60 s  Win. 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  Clame resistance UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Chemical resistance Good, application-related testing  Dil resistance DIN EN 60811-404   Good, application-related testing  Sending radius (fixed) 5 × Outer diameter  Fravel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Forsion stress ± 360 °/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  6 A Electrical resistance line constant wire  60 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Acket)  -40 °C  Max. operating temperature (static)  -40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Deparating temperature min. (dynamic)  -25 °C  Deparating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Elame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  Schemical resistance  Good, application-related testing  Classoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 × Outer diameter  Travel speed (C-track)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Conductor type (wire)	strand class 6
Current load capacity (standard)  Current load capacity min. wire  6 A  Electrical resistance line constant wire  6 0 Ω/km @ 20 °C  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  Deparating temperature min. (dynamic)  Deparating temperature max. (dynamic)  Corporating temperature max. (dynamic)  Elame resistance  UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  chemical resistance  Good, application-related testing  Casoline resistance  DIN EN 60811-404   Good, application-related testing  Bending radius (fixed)  5 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  1 Mio.  Forsion stress  ± 360 °/m	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire 6 A  Electrical resistance line constant wire 60 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 2.5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Min. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) 2-5 °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  Flame ly Current diameter  Flame resistance Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Florsion stress ± 360 °/m	Nominal voltage AC max.	300 V
Electrical resistance line constant wire  AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Deperating temperature min. (dynamic)  Powerating temperature min. (dynamic)  Deperating temperature max. (dynamic)  Bo °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 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  1 Mio.  Forsion stress  ± 360 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - acket)  Vin. operating temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) 2-5 °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  Oil 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) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Forsion stress  ± 360 °/m	Current load capacity min. wire	6 A
Power frequency withstand voltage (wire - acket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  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)  10 Mio. @ 25 °C  No. of torsion stress  ± 360 °/m	Electrical resistance line constant wire	60 Ω/km @ 20 °C
Acket)  Win. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  So °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  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)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. operating temperature (fixed)  Deperating temperature min. (dynamic)  -25 °C  Deperating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Burneresistance  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)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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  Oll 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)  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Min. operating temperature (static)	-40 °C
Departing 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  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  10 Mio. @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/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  Good, application-related testing  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)  10 Mio. @ 25 °C  No. of torsion cycles  1 Mio.  Torsion stress  ± 360 °/m	Operating temperature min. (dynamic)	-25 °C
Good, application-related testing Good, application-related testing DIN EN 60811-404   Good, application-related testing Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) To so f torsion cycles  1 Mio.  Good, application-related testing  5 x Outer diameter  10 x Outer diameter  10 Mio. @ 25 °C  10 Mio. Torsion stress  1 Mio.	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance Good, application-related testing  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) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 360 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min

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: 2024-05-18

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