

## M12 female 90° A-cod. with cable

PUR 5x0.34 ye UL/CSA+robot+drag ch. 10m

Female 90°

Zinc die casting, save-cover coated

M12, 5-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

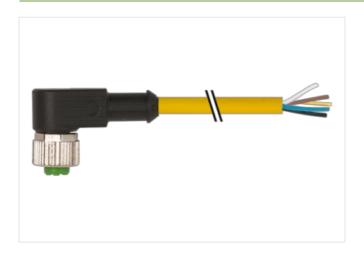
Plastic housings with good resistance against chemicals and oils.

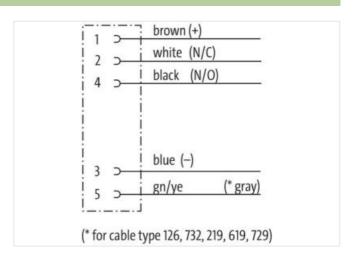
The resistance to aggressive media should be individually tested for your application. Further details on request.

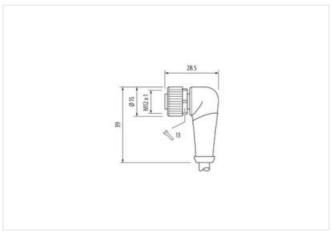
Further cable lengths on request.

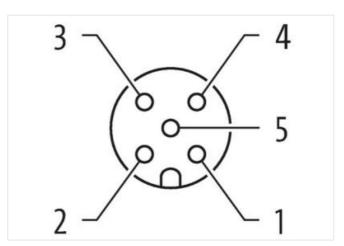
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

10 m

Side 1



stay connected

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879206020
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	T.
Mechanical data   Material data	
Coating locking	safe-cover coated
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.
Note on bending radius	<b>Attention:</b> 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 61076-2-101 (M12)
i roduct standard	DIN LIN 010/0-2-101 (IN12)



## stay connected

Cable intentification         055           Cable Type         5           Jacked Color         yellow           Type of Cartificate         CURUS           Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         bown, black, blue, white, green-yellow           Cable weight         41.8 gm           Maletral jacket         PUR           Shore hardness jacket         58.2 3 Store D           Freudom from ingredionts (jacket)         load free, cadmium free, CFC-free, halogen free, silicone-free           Outer diameter (jacket)         5 mm           Tolerance outer diameter (jacket)         5 %           Annount wires         5           Outer diameter (jacket)         1.25 mm	Installation   Cable	
Sacker Color	·	055
Jacket Color yellow Type of Certificate QURUS Amount starteding 1 Stranding 5 wires around Core filter twisted Stranding 5 wires around Core filter twisted Filter yes wire a rangement brown, black, blue, white, green-yellow Gable weight 41.8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) 58 ± 3 Shore D Guet-diameter (jacket) 5 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PP Material wire insulation PP Material wire insulation 12.5 mm Outer diameter insulation 74 ± 3 Shore D Ingredient Freeness wire insulation 74 ± 3 Shore D Ingredient Freeness wire insulation 12.5 mm Outer diameter insulation 7.0 decident of the province of single wires Conductor or single wires Conductor or single wires Conductor type (wire) 1.1 mm Conductor type (wire) 1.2 mm Conductor type (wire) 1.3 mm Conductor (wire) 2.5 mm Conductor (wire) 3.5 mm Conductor (wire) 3.5 mm Conductor (wire) 4.5 mm Conductor (wi		
Type of Certificate Annount stranding Type of Certificate Surfaming Swires around Core filler twisted Sitter Size of Surfaming Swires around Core filler twisted Sitter Size of Surfaming Swires around Core filler twisted Sitter Size of Surfaming Swires around Core filler twisted Size of Surfaming Si	• • • • • • • • • • • • • • • • • • • •	
Amount stranding         1           Stranding         5 wires around Core filler twisted           Filler         yes           wire arrangement         brown, black, blue, white, green yellow           Cable weight         41.8 g/m           Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingerdents (jacket)         1 sead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         5 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         ± 5 %           Outer diameter insulation         ± 5 %           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ± 3 Shore D           Ingredient freeness wire insulation         7 ± ±		•
Stranding   Stra		
Filler yes wire arrangement brown, black, blue, white, green-yellow  Cable weight 41,8 g/m  Material jacket PUR  Shore hardness jackol 58 ± 3 Shore D  Freedom from ingredients (jackol) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Outer diameter (jackol) 5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 5  Outer diameter insulation 1,25 mm  Outer diameter 1,25 mm  Oute		· · · · · · · · · · · · · · · · · · ·
wire arrangement brown, black, blue, white, green-yellow Cable weight 41,8 g/m Material jacket PUR Shore hardness jacket 58 ± 3 Shore D Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 1,25 mm Outer diameter 0,25 mm Outer diameter insulation 1,25 mm Outer diameter 0,25 mm Outer diameter 0		
Cable weigth         41,8 g/m           Material jacket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Toferance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         14 €           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		· · · · · · · · · · · · · · · · · · ·
Material jacket         PUR           Shore hardness jacket         58 ± 3 Shore D           Freedom from ingredients (jacket)         5 mm           Tolerance outer diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Amount wires         5           Outer diameter insulation         PP           Amount wires         5           Outer diameter insulation         ± 25 %           Shore hardness wire insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         125 mm           Amount strands viewie)         42           Diameter of single wires         0,1 mm           Conductor ressessetion (wire)         0,34 mm²           Material conductor view         Strand class 6           Traversing distance (C-track)         5 m @ 25 °C I horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298 4           Current load capacity (intendard)         to DIN VDE 0298 4           Current load capacity min. wire         4,5 A           Electrical resistance line constant view         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand volta		
Shore hardness jacket   58 ± 3 Shore D		<del>-</del>
Freedom from ingradients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter Insulation         1,25 mm           Under diameter Insulation         74 ± 3 Shore D           Ingredient freeness wire insulation         182 mm           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         184 ± 2 Shore D           Ingredient freeness wire insulation         184 ± 2 Shore D           Ingredient freeness wire insulation         184 ± 2 Shore D           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         184 ± 3 Shore D           Ingredient freeness wire insulation         23 4 mm²           Conductor type (wire)         Strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage (xire) wire wi		
Outer-diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         2 5 %           Shore hardness wire insulation         74 ± 3 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 type (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 wirm, wire         4,5 A           Electrical resistance line constant wire         60 Ωkm @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire wire)         2,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           O		
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter losivation         1,25 mm           Outer diameter losivation core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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         4,5 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 - picket)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (mix. (dynamic)         2.5 °C 0°C </td <td></td> <td><del>-</del></td>		<del>-</del>
Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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)         stranded copper wire, bare           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 (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature mi		
Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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         4,5 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 - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (max. (dynamic) <td><u> </u></td> <td></td>	<u> </u>	
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         74 ± 3 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 (wire - wire)         2,5 kV @ 60 s           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 - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation	Material wire insulation	
Outer diameter tolerance core insulation   ±5 %	Amount wires	
Shore hardness wire insulation         74 ± 3 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 (standard)         to DIN VDE 0298-4           Current load capacity (wire)         2,5 kV @ 60 s           Electrical resistance line constant wire         4,5 A           Electrical resistand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - iacket)         2,5 kV @ 60 s           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature mix. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Plame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation 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 Cletrical resistance line constant wire 60 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2,5 kV @ 60 s Power frequency withstand voltage (wire - gacket) Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Poperating temperature min. (dynamic) Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2 chemical resistance Gaod, application-related testing Gasoline resistance Bending radius (fixed) 5 × Outer diameter Bending radius (fixed) 10 × Outer diameter Fravel speed (C-track) 10 Min. @ 25 °C No. of forsion cycles 1 Min. Torsion stress ± 360 °/m	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  Clerent load capacity min. wire 4,5 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 - wire) 2,5 kV @ 60 s  Min. operating temperature (static) 40 °C  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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 68811-404   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.  Torsion stress ± 360 °/m	Shore hardness wire insulation	74 ± 3 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         4,5 A           Electrical resistance line constant wire         60 0/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - in place wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gli resistance         DIN EN 60811-404   Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (fixed)         5 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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         4,5 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 - iacket)         40 °C           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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           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           Travel speed (C-track) <td< td=""><td>Amount strands (wire)</td><td>42</td></td<>	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 4,5 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 - jacket) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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.  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 min. wire         4.5 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 - jacket)         2.5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gli 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         <	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         4,5 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 - jacket)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gil 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 <td>Material conductor wire</td> <td>Stranded copper wire, bare</td>	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 4,5 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 - jacket) 40 °C  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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 × Outer diameter  Flavel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Conductor type (wire)	strand class 6
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 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 - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       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	Traversing distance (C-track)	5 m @ 25 °C   horizontal
Current load capacity min. wire 4,5 A  Electrical resistance line constant wire 60 $\Omega$ /km @ 20 °C  AC withstand voltage (wire - wire) 2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 2,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance DIN EN 60811-404   Good, application-related testing  Bending radius (fixed) 5 x Outer diameter  Travel speed (C-track) 10 Mio. @ 25 °C  No. of torsion cycles 1 Mio.  Torsion stress $\pm 360$ °/m	Nominal voltage AC max.	300 V
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 - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       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	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  2,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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	Current load capacity min. wire	4,5 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  B0 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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	Electrical resistance line constant wire	60 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  B0 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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)  Travel speed (C-track)  10 Mio. @ 25 °C  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)  Operating temperature max. (dynamic)  80 °C / 90 °C @ 10000 h Operation  Flame resistance  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  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	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation  Flame resistance UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  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	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) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/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) 10 Mio. @ 25 °C No. of torsion cycles 1 Mio.  Torsion stress ± 360 °/m	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
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 cycles 1 Mio.  Torsion stress ± 360 °/m	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  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 (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	Oil resistance	······································
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	Bending radius (fixed)	
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
Torsion stress ± 360 °/m	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min