

# stay connected

### M12 female 0° A-cod. with cable

PUR 12x0.14 bk UL/CSA+drag ch. 20m

Female straight

M12, 12-pole

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

with cable sleeves

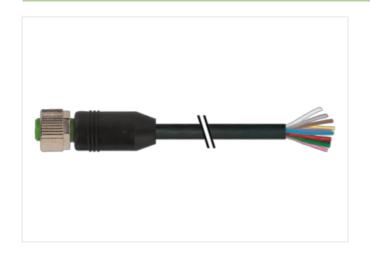
Plastic housings with good resistance against chemicals and oils.

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

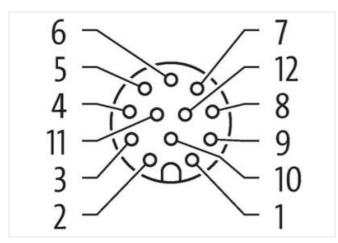
Further cable lengths on request.

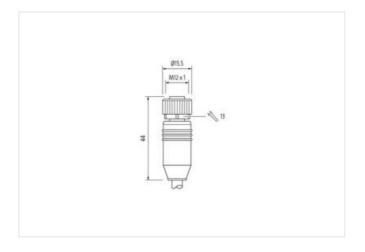
## **Link to Product**

### Illustration



BN	
BU	
l WH	
GN	
l PK	
YE	
l BK	
l GY	
RD	
l VT	
I GY PK	
I RD BU	





Product may differ from Image











Cable length

20 m

Side 1

Tightening torque

0,6 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: 2024-05-09



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Mounting method	inserted, screwed
Family construction form	M12
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879371711
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	30 V
Operating voltage DC max.	30 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	1,5 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Mechanical data	
Contour for corrugated hose	without
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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)

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Cable identification 705  Jackeld Color  Jackeld Co	Installation   Cable	
Jacket Color	·	705
Type of Certificate   CURus		
Amount stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 vires around Stranding combination counter-rotating twisted Banding Fleece wire arrangement gray-pink, violet, rod blue, (brown, red, gray, black, yellow, pink, green, white, blue) Traversing dislance (C-track) 5 m @ 25 °C Cable weight 45,3 m Material jacket PUR Stroor hardness jacket PUR Toleracion outer dismeter (speket) 6 mm Toleracion outer dismeter (speket) 1 5 % Material vive insulation PP Amount wires 12 Cubter diameter insulation PP Amount wires 12 Cubter diameter insulation 1 mm Cubter diameter insulation 1 mm Cubter diameter insulation 1 nm Cubter diameter insulation 1 pmm		
Stranding 3 wires twisted 3 Annount stranding (type 2) 1 9 wires around Stranding combination counter-rotating twisted 3 Banding Fleece 3 Banding Fleece 4 Breach 5 Fleece 5 Fleece 5 Fleece 6 Banding Fleece 6 Breach 5 Fleece 7 Fl	*-	
Amount stranding (type 2) 9 wires around Stranding combination counter-rotating twisted Banding Fleece wire arrangement gray-pink, violet, rest-blue, (brown, red, gray, black, yellow, pink, green, while, blue) Traversing distance (C-track) 5 m @ 25 °C Gable weight 45,1 g/m Material packet PUR Shore hardness jocket PUR Shore hardness idented (facket) Outer-diameter (gacket) Outer-diameter (gacket) Freedom from ingredients (gacket) Freedom from		· · · · · · · · · · · · · · · · · · ·
Stranding (type 2)  9 wires around Stranding combination counter-rotating twisted  Fleece  Fle		
Banding   Floece   Write arrangement   gray-pink, violet, red-blue, (brown, red, gray, black, yellow, pink, green, white, blue)   Traversing distance (C-track)   5 m @ 25 °C   Cable weight   45.1 g/m   Material jacket   PUR   Shore hardness jacket   92.2 5 Shore A   Freedom from ingredients (gacket)   6 mm   Tolerance outer diameter (gacket)   6 mm   70 clured diameter (gacket)   1.5 %   70 clured diameter (gacket)   1.2 °C   70 clured diameter (gacket)   1.2 °C   70 clured diameter (gacket)   1.5 %   70 clured (gacket		
wire arrangement         gray-pink, violet, red-blue, (brown, red, gray, black, yellow, prik, green, white, blue)           Troversing distance (C-track)         5 m @ 25 °C           Cabb weigh         45,1 g/m           Material jacket         PUR           Shore hardness jacket         92 ± 5 Shore A           Freadoun from lingrodients (jacket)         6 mm           Outer-diameter (jacket)         6 mm           Tolerance outer diameter (shealth)         ± 5 %           Manterial virie insulation         PP           Amount wires         12           Outer diameter insulation         1 mm           Outer diameter insulation         2 3 Shore D           Ingredient freeness wire insulation         2 2 3 Shore D           Ingredient freeness wire insulation         18           Diameter of single wires         0,1 mm           Conductor prospection (wire)         0,14 mm²           Material conductor virie         Stranded copper wire, bare           Conductor prospection (wire)         5 strand class 6           Conductor type (wire)         5 strand class 6           Norman votage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298 4           Current load capacity (wire)         1,5 kV @ 60 s		
Traversing distance (C-track)         5 m @ 25 °C           Cable weigh         45,1 g/m           Material Jacket         PUR           Shore hardness jacket         92 ± 5 Shore A           Freedom from ingredients (jacket)         lead*free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         1 mm           Dulameter diameter (sheath)         ± 5 %           Shore hardness wire insulation         7 2 ± 3 Shore D           Ingredient freeness wire insulation         1 mm           Diameter of single wires         0,1 mm           Conductor year (wire)         0,1 mm           Conductor year (wire)         5 traded copper wire, bare           Conductor year (wire)         5 traded copper wire, bare           Conductor year (wire)         5 traded copper wire, bare <td></td> <td></td>		
Cable weigth         45,1 g/m           Material jacket         PUR           Foredom from impredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6 mm           Outer-diameter (jacket)         5 mm           Outer diameter insulation         PP           Amount wires         12           Outer diameter insulation         1 mm           Outer diameter insulation         2 mm           Outer diameter insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         72 ± 3 Shore D           Diameter of single wires         0,1 mm           Conductor or crossection (wire)         18           Diameter of single wires         0,1 mm           Conductor vive (wire)         5 trand class 6           Nominal voltage AC max.         300 V           Conductor type (wire)         5 trand class 6           Nominal voltage AC max.         300 V           Current load capacity min. wire         2 A           Electrical resistance line constant vire         138 Qikm @ 20 °C           AC withstand vollage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand volla	<u> </u>	
Material Jacket         PUR           Shore hardness Jacket         92 ± 5 Shore A           Freedom from Ingredients (jacket)         6 mm           Tolerance outer diameter (jacket)         5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1 mm           Outer diameter tolerance core insulation         1 mm           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor lye (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity winh. wire         2 A           Electrical resistance line constant wire         138 0/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire wire) <td< td=""><td></td><td></td></td<>		
Shore hardness jacket   92 ± 5 Shore A		
Freedom from Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         12           Outer diameter insulation         1 mm           Outer diameter insulation         1 mm           Outer diameter insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor by (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load capacity min. wire         2 A           Electrical resistance line constant wire         1,5 kV @ 60 s           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Operating temperature (fixed)         25°		
Outer-diameter (jacket)         6 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor rossection (wire)         0,14 mm²           Material conductor vire         Stranded copper wire, bare           Conductor type (wire)         stranded copper wire, bare           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 voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Max. operating temperature (fixed)         85 °C           Operating temperature (fixed)         85 °C           Operati	<u> </u>	
Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PP  Amount wires 12  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation ± 5 %  Shore hardness wire insulation 12 ± 3 Shore D  Ingredient freeness wire insulation 164-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 18  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,14 mm²  Conductor vive (wire) 1,1 mm  Conductor vive (wire) 1,1 mm  Conductor type (wire) 1,1 mm  Conductor type (wire) 1,1 mm  Conductor type (wire) 1,1 mm  Current load capacity (standard) 1,5 kV @ 60 s  Electrical resistance line constant wire 1,5 kV @ 60 s  Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - wire) 2,5 kV @ 60 s  Ciperating temperature (fixed) 85 °C  Operating temperature (fixed) 85 °C  Operating temperature max. (dynamic) 85 °C  Operating temperature max. (dynamic) 85 °C  Operating temperature max. (dynamic) 1,5 kV @ 60 s  Bending radius (fixed) 7,5 x V Outer diameter  Travel speed (C-track) 2 Mio. 25 °C  Not of torsion strees ± 180 °m		<del>_</del>
Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strankd (wire)         18           Diameter of single wires         0,1 mm           Conductor vive         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           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)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         85 °C           Operating temperature min. (dynamic)         25 °C           UV resistance         DIN EN ISO 4892-2 A	Tolerance outer diameter (sheath)	
Amount wires         12           Outer diameter insulation         1 mm           Outer diameter loreance core insulation         ± 5 %           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor of single wires         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor Type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2 A           Electrical resistance line constant wire         138 D/km@ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Jacket)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature max. (dynamic)         85 °C           Operating temperature max. (dynamic)         85 °C           Ut resistance         DIN EN ISO 4892-2 A           Flame resistance	Material wire insulation	
Outer diameter insulation         1 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor tyle (wire)         strand class 6           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         2 A           Electrical resistance line constant wire         138 0/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           UV resistance         DIN EN I	Amount wires	
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         72 ± 3 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strand (wire)         18           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2 A           Electrical resistance line constant wire         1,5 kV @ 60 s           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         85 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         25 °C           Ul resistance         DIN EN ISO 4892-2 A           Flame resistance         Ul 1581 § 1100 FT2   IEC 60332-2-2   Ul 1581 § 1090           chemical resistance	Outer diameter insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 2 A Electrical resistance line constant wire 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 4,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 85 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Fravel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Outer diameter tolerance core insulation	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 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 2 A Electrical resistance line constant wire 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - wire) 4,5 kV @ 60 s Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 85 °C Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 85 °C UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Fravel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m		
Amount strands (wire) 18 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,14 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 2 A Electrical resistance line constant wire 138 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Power frequency withstand voltage (wire - included wire - included wir		
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2 A           Electrical resistance line constant wire         138 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - incket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         85 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         85 °C           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7,5 x Outer diameter           Bending radius (dynamic) </td <td></td> <td><u>-</u></td>		<u>-</u>
Conductor crosssection (wire)         0,14 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         2 A           Electrical resistance line constant wire         138 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Power frequency withstand voltage (wire - lacket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         85 °C           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         85 °C           UV resistance         DIN EN ISO 4892-2 A           Flame resistance         UI. 1581 § 1100 FT2   IEC 60332-2-2   UI. 1581 § 1090           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7,5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           Travel	· · ·	0,1 mm
Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2 A  Electrical resistance line constant wire 138 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - ack of the constant wire) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 85 °C  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 85 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing IN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Conductor crosssection (wire)	0,14 mm <sup>2</sup>
Conductor type (wire) strand class 6  Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2 A  Electrical resistance line constant wire 138 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - ack of the constant wire) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 85 °C  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 85 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing IN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 2 A  Electrical resistance line constant wire 138 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket) 4,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 85 °C  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) 85 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Bending radius (fixed) 7,5 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m	Conductor type (wire)	
Current load capacity min. wire       2 A         Electrical resistance line constant wire       138 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       85 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       85 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       7,5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       2 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Nominal voltage AC max.	300 V
Current load capacity min. wire       2 A         Electrical resistance line constant wire       138 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       85 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       85 °C         UV resistance       DIN EN ISO 4892-2 A         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       7,5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       2 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  85 °C  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  85 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Current load capacity min. wire	2 A
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  A0 °C  Max. operating temperature (fixed)  85 °C  Operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  85 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Electrical resistance line constant wire	138 Ω/km @ 20 °C
I,5KV @ 60 S  Min. operating temperature (static)  Max. operating temperature (fixed)  Max. operating temperature (fixed)  Max. operating temperature min. (dynamic)  -25 °C  Operating temperature max. (dynamic)  B5 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 × Outer diameter  Bending radius (dynamic)  10 × Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  85 °C  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 85 °C  UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio.  Torsion stress ± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  Flame resistance  UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m	Max. operating temperature (fixed)	85 °C
UV resistance DIN EN ISO 4892-2 A  Flame resistance UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Oil resistance Good, application-related testing  Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistance  Chemical resistance  Good, application-related testing  Gasoline resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  2 Mio. @ 25 °C  No. of torsion cycles  2 Mio.  Torsion stress  ± 180 °/m	Operating temperature max. (dynamic)	85 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 2 Mio. @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 2 Mio. @ 25 °C  No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (fixed)	7,5 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
No. of torsion cycles 2 Mio.  Torsion stress ± 180 °/m	Travel speed (C-track)	2 Mio. @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min