

stay connected

## M12 male 0° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 25m

Male straight

M12, 12-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

with cable sleeves

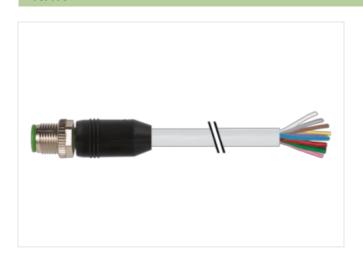
Plastic housings with good resistance against chemicals and oils.

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

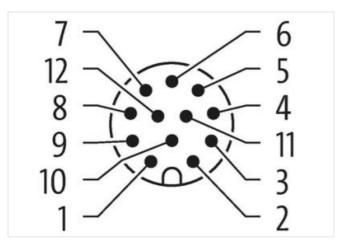
Further cable lengths on request.

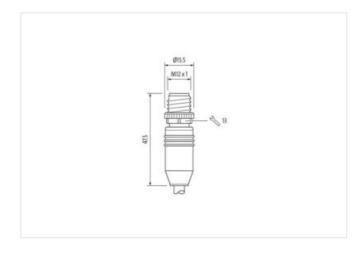
## **Link to Product**

## Illustration



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





Product may differ from Image











Cable length

25 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: 2024-05-10



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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	4048879610520
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)	I
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	Destruction of the second section of the section of the second section of the section of the second section of the section of th
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	

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Outer-diameter (acket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter Insulation         1,25 mm           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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 298-4           Current load capacity min. wire         3 A           Electrical resistance line constant wire         76 Ol/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - inclass)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature min. (	Installation   Cable	
Jacket Color Type of Certificate culture Type of Certificate culture Type of Certificate Culture Culture Control of Certificate Culture Cultur		301
Type of Certificate         CUPIus           Amount standing         1           Amount standing (yep 2)         1           Stranding (yep 2)         9           Banding         Fleece           Banding         Fleece           wise arrangement         gray-pink, violer, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Traversing distance (C-track)         5 m @ 25 °C) horizontal           Cable weigth         69.3 g/m           Material picket         PUR           Shore hardness jacket         85.1 5 Shore A           Freedom from ingredients jacket)         183 £ 5 Shore A           Freedom from lingredients jacket)         183 £ 5 Shore A           Tolerance outer diameter (sheath)         1.5 %           Material wire insulation         1.5 %           Outer diameter (sheath)         1.5 %           Material wire insulation         1,25 mm           Outer diameter (sheath)         1.5 %           Shore hardness wire insulation         1,55 mm           Outer diameter (sheath)         5.5 Shore D           Ingredient freeness wire insulation         9.2 5 Shore D           Ingredient freeness wire insulation         9.2 5 Shore D           Ingredient freeness wire insulation         9.2 5 S	Jacket Color	gray
Amount stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fiesce wire arrangement property (type 2) 9 wires around Stranding combination twisted Banding Fiesce Wire arrangement property (type 2) 9 wires around Stranding combination twisted Banding Fiesce  ### Stranding (type 2) 9 wires around Stranding combination twisted  ### Banding Fiesce ### Stranding (type 2) 9 wires around Stranding combination twisted  ### Banding Fiesce ### Stranding Stranding Stranding Combination twisted  ### Banding Stranding		
Stranding (type 2) Amount stranding (type 2) Strand		
Amount stranding (type 2)         1           Stranding (type 2)         9 wires around Stranding combination twisted           Banding         Fleece           wire arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Traversing distance (C-track)         5 m @ 25 °C ( Indizontal           Cable weigh         69.3 gm           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         25 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1,25 mm           Outer diameter or lorier swire insulation         1,5 mm           Outer diameter or lorier swire insulation         1,25 mm           Outer diameter or lorier swire insulation         1,25 mm           Outer diameter or lorier swire insulati		3 wires twisted
Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleece wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Traversing distance (C-track) 5 m @ 25 °C   horizontal Cable weigh 69,3 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter ore insulation 1,25 mm Outer diameter ore insulation 1,25 mm Outer diameter insulation 50 ± 5 Shore D Ingredient freeness wire insulation 1,3 mm Conductor vire 1,3 mm Conductor or ossection (wire) 2,25 mm² Material conductor wire 5 Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ω/km @ 20 °C Operating temperature (static) 40 °C Operating temperature (static) 40 °C Operating temperature (static) 40 °C Operating temperature min. (dynamic) 40 °C Operating temperature min. (dynamic) 40 °C Operating temperature max. (dynamic) 40 °C Operating temperature max. (dynamic) 60 °C Operating tem		
Sandring   Fleece   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue   Traversing distance (C-track)   5 m @ 25 °C   horizontal		9 wires around Stranding combination twisted
wire arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         1 Red Free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         2 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter frosulation         1,25 mm           Shore hardness wire insulation         50 ± 5 Shore D           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         60 ± 5 Shore D           Marchard strands (wire)         32           Diameter of single wires         0,1 mm           Conductor rossection (wire)         0,25 mm²           Material conductor wire         Strand class 6           Nominal voltage AC max.         300 Y           Current load capacity (standard)         to IN VDE 0298-4           Current load cap		<del>_</del>
Traversing distance (C-track)         5 m @ 25 °C   horizontal           Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1,25 mm           Outer diameter insulation         5 ± 5 mm           Outer diameter insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         1,25 mm           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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 VIE 0298-4           Current load capacity (standard)         to DIN vIE © 60 s		
Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85 ± S Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter folerance core insulation         1.25 mm           Outer diameter folerance core insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         80 ±		
Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Material wire insulation         12           Outer diameter (solerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 5 %           Shore hardness wire insulation         10 ± 5 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore D           Ingredient freeness wire insulation         10 ± 6 Shore A           Ontable for Shore A         0.1 mm           Conductor or Shore A         0.1 mm		
Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter Insulation         1,25 mm           Outer diameter Insulation         5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         80 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 6           Ingredient freeness wire insulation         18 ± 5 Shore D           Ingredient freeness wire insulation         18 ± 6           Ingredient freeness wire insulation         18 ± 6           Ingredient freeness wire insulation         18 ± 6           Proper of single wires         0,1 mm           Conductor very see wire insulation         1,2 stranded copper wire, bare           Conductor type (wire)         5 tranded capper wire, bare           Nominal voltage (xire)         30 V           Cu	-	<del>-</del>
Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (vire)         32           Diameter of single wires         0,1 mm           Conductor or single wires         0,1 mm           Conductor vire         Stranded copper wire, bare           Conductor (wire)         51 strand class 6           Nominal voltage AC max.         300 V           Current load capacity (slandard)         to DIN VDE 0288-4           Current load capacity min. wire         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - islacket)         40 °C           Min. operating temperature (static)         40 °C <tr< td=""><td></td><td></td></tr<>		
Outer-diameter (acket)         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter Insulation         1,25 mm           Outer diameter folerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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 298-4           Current load capacity min. wire         3 A           Electrical resistance line constant wire         76 Ol/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - inclass)         40 °C           Max. operating temperature (static)         40 °C           Max. operating temperature min. (	Freedom from ingredients (jacket)	
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         ± 5 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         16a ± 7 €           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0.25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Comment load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 098-8           Electric assistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire -		
Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         5 %           Shore hardness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         stranded class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity min. wire         3 A           Electrical resistance ine constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electrical resistance ine constant wire         80000 pF/km           Power frequency withstand voltage (wire - injacket)         1,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C <tr< td=""><td>Tolerance outer diameter (sheath)</td><td></td></tr<>	Tolerance outer diameter (sheath)	
Amount wires         12           Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 G/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           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 min. (dynamic)         20 °C           Operating temperature min. (dynamic)         20 °C		
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - lacket)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (mix. dynamic)         20 °C           Operating temperature (mix. dynamic)         20 °C           Operating temperature min. (dynamic)         20 °C           Good, application-related testing         00	Amount wires	12
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - lacket)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature (mix. dynamic)         20 °C           Operating temperature (mix. dynamic)         20 °C           Operating temperature min. (dynamic)         20 °C           Good, application-related testing         00		1.25 mm
Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 0km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric apacitance         80000 pF/km           Power frequency withstand voltage (wire - iacket)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         Good, application-related testing           Casoline resistance         Good, application-related testing           Oil resistance	Outer diameter tolerance core insulation	<u> </u>
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  Amount strands (wire) 32  Diameter of single wires 0,1 mm  Conductor crosssection (wire) 0,25 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 3 A  Electrical resistance line constant wire 76 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Electric apacitance 80000 pF/km  Power frequency withstand voltage (wire - lack) 80 °C  Operating temperature (static) 40 °C  Max. operating temperature (static) 80 °C  Operating temperature (fixed) 80 °C  Operating temperature max. (dynamic) -20 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 109   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance Good, application-related testing  Gasoline resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (fixed) 15 x Outer diameter		
Amount strands (wire)       32         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 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       3 A         Electrical resistance line constant wire       76 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Electric capacitance       80000 pF/km         Power frequency withstand voltage (wire - incapacity (static))       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -20 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1909   UL 1581 § 1100 FT2   IEC 60332-2-2         chemical resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter		
Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - jacket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         -20 °C           Operating temperature max. (dynamic)         -20 °C           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)		<del>-</del>
Conductor crosssection (wire)         0,25 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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - jacket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1900   UL 1581 § 1100 FT2   IEC 60332-2-2           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)         10 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter		0.1 mm
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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric capacitance         80000 pF/km           Power frequency withstand voltage (wire - jacket)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature max. (dynamic)         80 °C           Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         10 x Outer diameter           Bending radius (dynamic)         15 x Outer diameter		·
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       3 A         Electrical resistance line constant wire       76 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Electric capacitance       80000 pF/km         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         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)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter		·
Nominal voltage AC max. 300 V  Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 3 A  Electrical resistance line constant wire 76 \( \Omega / \text{km} \end{align*} \end{align*} \end{align*} \)  AC withstand voltage (wire - wire) 1,5 kV \( \end{align*} \end{align*} \)  Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - jacket) 1,5 kV \( \end{align*} \) 60 s  Electric capaciting temperature (static) 40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 \( \frac{1}{3} \) 1090   UL 1581 \( \frac{1}{3} \) 1100 FT2   IEC 60332-2-2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter		
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       3 A         Electrical resistance line constant wire       76 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Electric capacitance       80000 pF/km         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         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)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter		300 V
Current load capacity min. wire 3 A  Electrical resistance line constant wire 76 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - incident of the properties of the properti		
Electrical resistance line constant wire       76 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       1,5 kV @ 60 s         Electric capacitance       80000 pF/km         Power frequency withstand voltage (wire - jacket)       1,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C         Operating temperature min. (dynamic)       -20 °C         Operating temperature max. (dynamic)       80 °C         Flame resistance       UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2         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)       10 x Outer diameter         Bending radius (dynamic)       15 x Outer diameter		
AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Electric capacitance  80000 pF/km  Power frequency withstand voltage (wire - izaket)  1,5 kV @ 60 s  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  80 °C  Operating temperature min. (dynamic)  20 °C  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter		76 Ω/km @ 20 °C
Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - jacket) 1,5 kV @ 60 s  Min. operating temperature (static) -40 °C  Max. operating temperature (fixed) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter		<del>-</del>
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Oul. 1581 § 1090   UL. 1581 § 1100 FT2   IEC 60332-2-2  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)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter		
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  80 °C  Flame resistance  UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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)  10 x Outer diameter  Bending radius (dynamic)  15 x Outer diameter	Power frequency withstand voltage (wire -	
Operating temperature min. (dynamic) Operating temperature max. (dynamic) So °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Max. operating temperature (fixed)	80 °C
Operating temperature max. (dynamic) 80 °C  Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Operating temperature min. (dynamic)	-20 °C
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2 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) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Operating temperature max. (dynamic)	
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) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter		
Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Gasoline resistance	
Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (dynamic) 15 x Outer diameter	Bending radius (fixed)	
	Bending radius (dynamic)	15 x Outer diameter
	Travel speed (C-track)	3 Mio. @ 25 °C