

## M12 female 0° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 10m

Female straight

M12, 12-pole

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

with cable sleeves

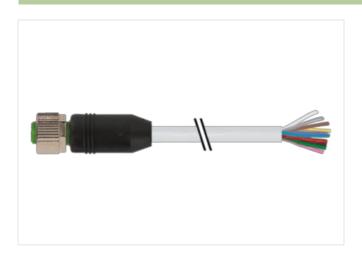
Plastic housings with good resistance against chemicals and oils.

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

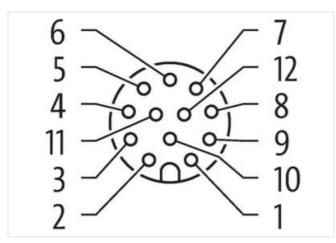
Further cable lengths on request.

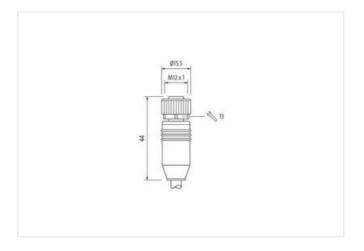
## **Link to Product**

## Illustration



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





Product may differ from Image











Cable length

10 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: 2024-05-18



stay connected

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	4048879290708
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	WILLIOOL
·	AP-d-stad
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material  Material screw connection	Zinc die-casting  Zinc die-casting
	Line die-rasting
Mechanical data   Mounting data	inserted coround Chaking protection
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)



## stay connected

Type of Certificatie         cURs           Amount stranding         1           Stranding         3 wise twisted           Anount stranding (type 2)         1           Stranding (type 2)         9 wise around Stranding combination twisted           Banding         Fleece           Binding (type 2)         9 wise around Stranding combination twisted           Banding         Fleece           with a grangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cablis weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85.5 Shore A           Shore hardness jacket         85.5 Shore A           Shore hardness jacket         10 Feed-mire migredients (jacket)           Outer-diameter (jacket)         7 mm           Outer-diameter (jacket)         7 mm           Outer-diameter insulation         PP           Amount wires         12           Outer diameter insulation         12.5 mm           Outer diameter insulation         10 £5 mm           Outer diameter wire insulation         10 £5 mm           Outer diameter (series wire insulation)         10 £5 mm           Outer diameter (series wire insulation)         10 £5 mm <th>Installation   Cable</th> <th></th>	Installation   Cable	
Jackel Color Type of Certificate culture Type of Certificate culture Type of Certificate Colfus Stranding		301
Type of Certificate	Jacket Color	gray
Amount stranding 1 1 Stranding (ype 2) 1 Stranding (ype 2) 9 were around Stranding combination twisted 1 Stranding (ype 2) 9 were around Stranding Combination twisted 1 Stranding (ype 2) 9 were stranding ype 2 were around Stranding Combination twisted 1 Stranding (ype 2) 9 were stranding ype 2 were ype 2		
Stranding (type 2)   1   1   1   1   1   1   1   1   1		
Amount stranding (type 2)         1           Stranding (type 2)         9 wires around Stranding combination twisted           Banding         Fleeco           wire arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         7 mm           Tolerance outer diameter (jacket)         7 mm           Tolerance outer diameter (jacket)         7 mm           Tolerance outer diameter (jacket)         2 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingredient feeness wire insulation         50 ± 5 Shore D           Ingr		3 wires twisted
Stranding (type 2)         9 wires around Stranding combination twisted           Banding         Fleece           Weie arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weigth         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 (jacket)         7 mm           Toflerance under diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter insulation         1.25 mm           Outer diameter insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         5 ± 5 Shore D           Ingredient freeness wire insulation         6 ± 5 Shore		
Banding   Fleece   Wire arrangement   gray-pink, Violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue   Cable weigh   69.3 g/m		9 wires around Stranding combination twisted
wire arrangement         gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue           Cable weight         69.3 g/m           Material jacket         PUR           Shore hardness jacket         85 ± 5 Shore A           Freedom from ingredients (jacket)         ramment (jacket)           7 mm         7 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         12           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire 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         50 ± 5 Shore D           Ingredient freeness wire insulation         1,1 mm           Conductor of single wires         0,1 mm           Conductor type (wire)         32           Conductor type (wire)         stranded copper wire, bare           Traversing distance (C-track)         5 m @ 25 °C   Indizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire wire) <t< td=""><td></td><td></td></t<>		
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           Anount wires         12           Outer diameter rolerance core insulation         1,25 mm           Under diameter folerance core insulation         5 % Shore D           Shore hardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         164-free, cadmium-free, CFC-free, halogen-free, silicone-free           Annount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor rossection (wire)         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 * (I horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VID 0299-4           Current load capacity (standard)         10 DIN VID 0299-4           Curre		gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Material jacket         PUR           Shore hardness jacket         85 ± 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 vire insulation         PP           Amount wires         12           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire 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         50 ± 5 Shore D           Ingredient freeness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         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           Traversing distance (O-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         10 DIN VDE 0298-4           Current load c		
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         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore partness wire insulation         ± 5 %           Ingredient freeness wire insulation         ± 5 %           Shore Pardness wire insulation         50 ± 5 Shore D           Ingredient freeness wire insulation         16 ± 5 %           Amount strands (wire)         32           Diameter of single wires         0,1 mm           Conductor vires (conductor wire)         0,25 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         3 A           Electrical capacitance         60 km @ 20 °C     <		
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         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           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           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         3 A           Electric apacitance (ine constant wire)         1,5 kV @ 60 s           Electric capacitance (wire - wire)         1,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C		85 ± 5 Shore A
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         ± 5 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           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 of single wires         0,1 mm           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         3 A           Electrical resistance line constant wire         76 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         1,5 kV @ 60 s           Electric acpacitance         80000 pF/km           Power		lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           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         60 ± 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 ± 4 Fee, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stands (wire)         32           Diameter of single wires         0,1 mm           Conductor type wires         \$ \$2 Smore           Material conductor wire         \$ \$1 standed copper wire, bare           Conductor type (wire)         \$ strand class 6           Traversing distance (C-track)         \$ \$ m@ 25 °C   horizontal           Nominal voltage (wire)         \$ \$ m@ 25 °C   horizontal           Nominal voltage (wire)         \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Outer-diameter (jacket)	<u>-</u>
Material wire insulation         PP           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 of single wires         0,25 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal vottage 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           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 - inck)         1,5 kV @ 60 s           Min. operating temperature (static)         -40 °C	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           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         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 - lackel)         1,5 kV @ 60 s           Min. operating temperature (fixed)         80 °C           Operating temperature min. (dynamic)         -20 °C           Operating temperature min. (dynamic)         -20 °C	Material wire insulation	
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 orsessection (wire)         0,25 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 min. wire         3 A           Electrical resistance line constant wire         76 0/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 (fixed)         80 °C           Operating temperature min. (dynamic)         20 °C           Operating temperature min. (dynamic)	Amount wires	
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           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         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 - iacket)         1,5 kV @ 60 s           Min. operating temperature (static)         40 °C           Max. operating temperature (static)         40 °C           Operating temperature max. (dynamic)         20 °C           Operating temperature max. (dynamic)         20 °C           Flame resistance         UL 1581	Outer diameter insulation	1.25 mm
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  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 3 A  Electrical resistance line constant wire 76 0/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - alock) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (static) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Outer diameter tolerance core insulation	·
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  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 3 A  Electrical resistance line constant wire 76 0/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - alock) 40 °C  Max. operating temperature (static) 40 °C  Max. operating temperature (static) 80 °C  Operating temperature min. (dynamic) -20 °C  Operating temperature max. (dynamic) 80 °C  Flame resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Gasoline resistance Good, application-related testing  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 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  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 3 A  Electrical resistance line constant wire 76 Ω/km @ 20 °C  AC withstand voltage (wire - wire) 1,5 kV @ 60 s  Electric apacitance  Power frequency withstand voltage (wire - ajacket)  Min. operating temperature (static) -40 °C  Max. 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 (fixed) 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           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         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 - inacket)         -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)         80 °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           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending r		
Conductor crosssection (wire)     0,25 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     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	. ,	0,1 mm
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         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		0,25 mm <sup>2</sup>
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       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	Material conductor 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 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	Conductor type (wire)	
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 \( \Omega / \text{km} \end{array} \) 20 °C AC withstand voltage (wire - wire) 1,5 kV \( \end{array} \) 60 s Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - jacket) 1,5 kV \( \end{array} \) 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 \( \frac{1}{3} \) 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		5 m @ 25 °C   horizontal
Current load capacity (standard) to DIN VDE 0298-4  Current load capacity min. wire 3 A  Electrical resistance line constant wire 76 \( \Omega \text{C} \text{Km} \) \( \omega \text{0} \text{C} \)  AC withstand voltage (wire - wire) 1.5 kV \( \omega \text{60 s} \)  Electric capacitance 80000 pF/km  Power frequency withstand voltage (wire - jacket) 1,5 kV \( \omega \text{60 s} \)  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 \( \graphi \) 109   UL 1581 \( \graphi \) 100 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		<u> </u>
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		to DIN VDE 0298-4
AC withstand voltage (wire - wire)  1,5 kV @ 60 s  Electric capacitance  80000 pF/km  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  40 °C  Max. operating temperature (fixed)  Operating temperature (min. (dynamic)  Operating temperature max. (dynamic)  Power frequency withstand voltage (wire - jacket)  1,5 kV @ 60 s  C  Min. 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	Current load capacity min. wire	3 A
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	Electrical resistance line constant wire	76 Ω/km @ 20 °C
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Bo °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
jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (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  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	Electric capacitance	80000 pF/km
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  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	Power frequency withstand voltage (wire - jacket)	
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   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
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 max. (dynamic)	80 °C
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	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter  Bending radius (dynamic) 15 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter	Oil resistance	Good, application-related testing   DIN EN 60811-404
	Bending radius (fixed)	10 x Outer diameter
Travel speed (C-track) 3 Mio. @ 25 °C	Bending radius (dynamic)	15 x Outer diameter
	Travel speed (C-track)	3 Mio. @ 25 °C