

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

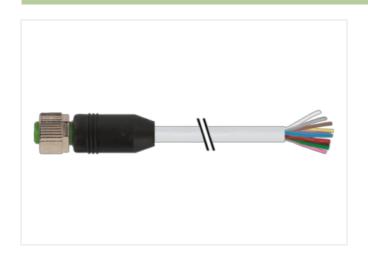
Plastic housings with good resistance against chemicals and oils.

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

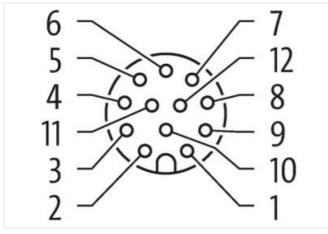
Further cable lengths on request.

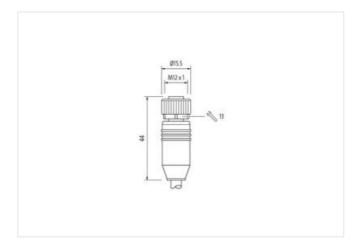
Link to Product

Illustration



BN	
BU	
l WH	
GN	
l PK	
I YE	
l BK	
l GY	
RD	
I 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: 2024-05-19



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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	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	Attention: 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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stay connected

Cable identification 301 Jacker Color gray Type of Certificate cURUs Amount stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 wires arrund Stranding combination twisted Banding Fleece wire arrangement gray prink, violet, red-blue, brown, red, gray, black, yellow, prink, green, white, blue Cable weight 85.3 g/m Material glacket PUR Shore hardness jacket 85.1 S Shore A Freedom from gradients (acket) 7 mm Tolerance outer diameter (glocker) 7 mm Tolerance outer diameter (shealth) ± 5 % Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter (shealth) ± 5 % Shore hardness were insulation 1,25 mm Outer diameter (shealth) ± 5 % Shore landness (swire) 3,0 ± 5 mm Outer diameter (shealth) ± 5 % Shore landness were insulatio	Installation Cable	
Type of Certificate	Cable identification	301
Amount stranding 1 Stranding 3 wires twisted Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination twisted Stranding (type 2) 9 wires around Stranding combination Stable weigh 99,3 g/m Shore hardness sjacket PUR Shore hardness sjacket 85 ± 5 Shore A Freedom from ingredients (gacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Altorial wire insulation PP Altorial wire insulation PP Altorial wire 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 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D Ingredient freeness wire insulation 9 ± 5 Shore D In	Jacket Color	gray
Stranding 3 wires twisted	Type of Certificate	cURus
Amount stranding (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fleece wire arrangement gray-pink, volet, 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) 10ad-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Tolerance outer diameter (jacket) 7 mm Material wire insulation 12 PP P Amount wire insulation 1,25 mm Outer diameter insulation 1,25 mm Outer diameter tolerance 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 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	Amount stranding	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 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 Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter of lead of the company o	Stranding	3 wires twisted
Banding Fleece wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weigh 69.3 g/m Material jacket PUR Shore hardness gacket PUR Shore hardness gacket PUR Shore hardness (gacket) 7 mm Tolerance outer diameter (gacket) 7 mm Tolerance outer diameter (sheath) £ 5 % EUR Shore hardness outer diameter (sheath) £ 5 % EUR Shore hardness wire insulation PP PUR	Amount stranding (type 2)	1
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 Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 mm Use of immeter insulation ± 5 mm Ingredient freeness wire insulation ± 60 dre. cadmium-free, CFC-free, halogen-free, silicone-free	Stranding (type 2)	9 wires around Stranding combination twisted
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 (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 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 12 ± 5 % Shore hardness wire insulation 12 ± 5 % Shore hardness wire insulation 12 ± 5 % Shore particles (wire) 3 ± 5 Shore D Ingredient freeness wire insulation 12 ± 5 % Shore particles (wire) 3 ± 5 Shore D Ingredient freeness wire insulation 20 ± 5 Shore D Ingredient freeness wire insulation 12 ± 5 % Shore particles (wire) 3 ± 5 Shore D Ingredient freeness wire insulation 20 ± 5 Shore D Ingredient freeness wire insulation	Banding	Fleece
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 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 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 ± 5 Shore D Ingredient freeness wire insulation 90 ± 5 Shore D Ingredient freeness wire insulation	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
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 50 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 180 ± 7 Shore D Ingredient freeness wire insulation 180 ± 7 Shore D Ingredient freeness wire insulation 180 ± 7 Shore D Ingredient freeness wire insulation 180 ± 7 Shore D Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor crossection (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 lo	Cable weigth	69,3 g/m
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 % Shore hardness wire insulation ± 5 % Ingredient freeness 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 or 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 (siandard) to DIN NDE 0298-4 Current load capacity (siandard) to DIN NDE 0298-4 Electrica resistance line constant wire 76 Ω/km @ 20 °C <td>Material jacket</td> <td>PUR</td>	Material jacket	PUR
Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter lolerance core insulation ± 5 % Shore hardness wire 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) stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Corrent load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrica resistance line constant wire 76 Ωkm @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pFkm Power frequency withstand voltage (wire - included type of the prevature (static) 4	Shore hardness jacket	85 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 %	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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 rosssection (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) stranded capper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 5 m @ 25 °C horizontal Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 1,5 kV @ 60 s Electric capacitance line constant wire 76 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitiance 80000 pF/km Power frequency withstand voltage (wire - lacket) 1,5 kV @ 60 s <td>Outer-diameter (jacket)</td> <td>7 mm</td>	Outer-diameter (jacket)	7 mm
Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 1ead-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 orsssection (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 (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 - wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperat	Tolerance outer diameter (sheath)	± 5 %
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) 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 - 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)	Material wire insulation	PP
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 - lacket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Flame resistance Good, app	Amount wires	12
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 (win 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 (min. (dynamic) -20 °C Operating temperature (min. (dynamic) -20 °C Operating temperature (min. (dynamic) </td <td>Outer diameter insulation</td> <td>1,25 mm</td>	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 Ω/km @ 20 °C AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric apacitance 80000 pF/km Power frequency withstand voltage (wire - acceptable wire) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C 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 Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 15 x Outer diameter	Outer diameter tolerance core insulation	± 5 %
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 Max. operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (dynamic) 80 °C 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)	Shore hardness wire insulation	50 ± 5 Shore D
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 (ixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance UL 1581 § 1901 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	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
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	Amount strands (wire)	32
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 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 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 DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter	Conductor crosssection (wire)	0,25 mm²
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) Min. operating temperature (static) -40 °C Max. 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
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 \(\Omega \text{Vrkm} \equiv 20 \text{ °C} \) 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 \(\omega \text{ 60 s} \) Electric capaciting temperature (static) 40 \(\text{ °C} \) Max. operating temperature (fixed) 80 \(\text{ °C} \) Operating temperature min. (dynamic) -20 \(\text{ °C} \) Operating temperature max. (dynamic) 80 \(\text{ °C} \) Flame resistance UL 1581 \(\xi \) 1090 UL 1581 \(\xi \) 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	Conductor type (wire)	strand class 6
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	Traversing distance (C-track)	5 m @ 25 °C horizontal
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
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	Current load capacity (standard)	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) 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 × Outer diameter Bending radius (dynamic) 15 × 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) Bu 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) Max. operating temperature (fixed) Operating temperature min. (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) 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		1,5 kV @ 60 s
Operating temperature min. (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	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
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 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