

M12 female 0° A-cod. with cable

PUR 12x0.25 gy UL/CSA+drag ch. 30m

Female straight

M12, 12-pole

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

with cable sleeves

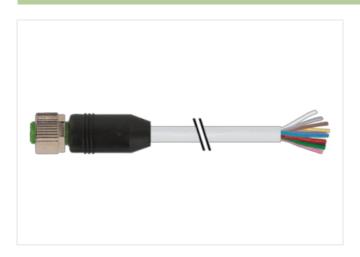
Plastic housings with good resistance against chemicals and oils.

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

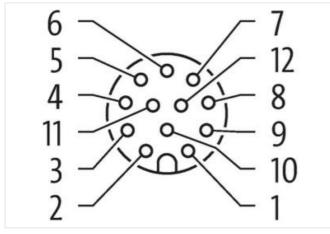
Further cable lengths on request.

Link to Product

Illustration



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





Product may differ from Image











Cable length

30 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: 2024-05-21



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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	4048879366137
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
	Without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	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)



stay connected

Cable identification 301 Jacket Coor gray yre of Certificate Amount stranding 1 Stranding (1) Stranding (Installation Cable	
Jacket Color Type of Certificate URus Amount standing 1 Stranding 3 wires twisted Amount standing (type 2) 1 Stranding (type 2) 9 wires around Stranding combination twisted Banding Fisece 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 55 ± 5 Shone A Freedom from ingredients (jacket) Deter-diameter (jacket) 7 rm Tolerance outer diameter (sheath) ± 5 % Material vire insulation PP Amount wires 12 Duter diameter (price outer diameter) Shore hardness wire insulation 1,25 mm Duter diameter (price outer diameter) Shore hardness wire insulation 1,25 mm Duter diameter (price outer diameter) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation 1,25 mm Duter diameter (price outer) Shore hardness wire insulation Shore hardness wire insulation 1,5 kW @ 60 s Shore hardness wire insulation Shore hardness wire insulation Joue hardness wire in	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Type of Certificate Annount stranding 1 Annount stranding 1 Sirranding 3 wires twisted Annount stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) 1 Stranding (type 2) Stra	Cable identification	301
Amount stranding 1 Stranding 3 wires twisted 3 Amount stranding (type 2) 1 Stranding (type 2) 5 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around Stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires around stranding combination twisted 3 Stranding (type 2) 9 wires	Jacket Color	gray
Stranding (type 2) 1	Type of Certificate	cURus
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 Cable weight 69,3 gim Makerial jacket PUR Shore hardness jacket 85 £ Shore A Freedom from ingredients (jacket)) 7 mm Tolerance outer diameter (schealt) 7 mm Tolerance outer diameter (schealt) 4 £ 5% Makerial vire insulation PPP Annount wires 12 Outer diameter insulation 1,25 mm Outer diameter tolerance core insulation 50 £ 5 Shore D Shore hardness wire insulation 50 £ 5 Shore D Diameter of single wires 0,1 mm Conductor crosssection (wire) 32 Diameter of single wires 0,1 mm Conductor type (wire) strand class 6 Nominal voltage AC rax. 300 V Current load capacity min. wire 3 A Electrical resistance in constraint wire 78 6 Nkm @ 20 °C Redwind company with stand voltage (wire - sekel) Bending temperature (static) 40 °C Conductor type (wire) 1,5 kW @ 60 s Bending temperature (static) 40 °C Called capacitance 40 °C Coperating temperature (static) 40 °C Called capacitance 40 °C Coperating temperature (static) 40 °C Called capacitance 60 °C Coperating temperature (static) 40 °C Called capacitance 60 °C Coperating temperature (static) 40 °C Called capacitance 60 °C Conductor resistance 60 °C Code application-related testing 60 °C Called capacitance 60 °C Code diagness (synamic) 15 x Outer diameter stessing 60 °C Conductor resistance 60 °C Code application-related testing 60 °C Code application-related testing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x Outer diameter festing 60 °C Code (synamic) 15 x	Amount stranding	1
Stranding (type 2) 9 wires around Stranding combination twisted Fleece Sarding Fleece 9, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	Stranding	3 wires twisted
Bandring Fleece gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weigh 69.3 g/m	Amount stranding (type 2)	1
wire arrangement gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue Cable weigith 69,3 g/m Makerial jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Under diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material livrie insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter 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 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 insulati	Stranding (type 2)	9 wires around Stranding combination twisted
Cable weight 69,3 g/m Material jacket PUR Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 7 mm Toferance outer diameter (health) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation 1,25 mm Outer diameter insulation 50 ± 5 % Shore hardness wire insulation 50 ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter insulation 50 ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter folerance core insulation 50 ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter of feeness wire insulation 1,25 mm Shore hardness wire insulation 1,25 mm Outer diameter of single wires 0,1 mm Conductor or single wires 0,1 mm Outer diameter of single wires 0,1 mm Conductor type (wire) strand copper wire, bare C	Banding	Fleece
Material jacket PUR	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 tolerance core insulation ± 5 % Shore hardness wire insulation 50 ± 5 Shore D Ingredient freeness wire insulation 12.5 mm Amount strands (wire) 32 Diameter of single wires 0.1 mm Conductor crosssection (wire) 3.2 mm² Material conductor wire 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 AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electrical respecting temperature (static) 40 °C Max. operating temperature (min. dynamic) 80 °C Operating temperature max. (dynamic) 80 °C Operating temperature max. (d	Cable weigth	69,3 g/m
Peredom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	Material jacket	PUR
Outer-diameter (jacket) 7 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 12 Outer diameter insulation ± 5 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 grossection (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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 3 A Electrical resistance line constant wire 76 Ωkm @ 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 Electric capacitance<	Shore hardness jacket	85 ± 5 Shore A
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 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) 32 Diameter of single wires 0,1 mm Conductor rorsssection (wire) 0,25 mm² Material conductor wire Strande class 6 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 Electrica pacitance 80000 pF/km Power frequency withstand voltage (wire - dacket) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Coperating temperature max. (dynamic) 40 °C C Gaod, application-related testing Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 × Outer diameter Bending radius (fixed) 10 × Outer diameter Bending radius (fixed) 5 mm @ 25 °C horizontal	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 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 strands (wire) 0,25 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominiar 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 Electrical resistance line constant wire 1,5 kV @ 60 s Electrical preparature (static) -40 °C Max. operating temperature (static) -40 °C Min. operating temperature (mix. (dynamic) -20 °C Operating temperature mix. (dynamic) 80 °C Classo	Outer-diameter (jacket)	7 mm
Amount wires 12 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 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D Ingredient free, CFC-free, halogen-free, silicone-free Ingredient free, silicone-free Ingredient free, CFC-free, halogen-free, silicone-free Ingredient free, CFC-free, silicone-free 8 Ingredient free, cadmium-free, CFC-free, silicone-free 8 Ingredient free, CFC-free, silicone-free 8 Ingredient free, CFC-free, silicone-free 8 Ingredient free, CFC-free, silicone-free, silicone-free	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 wire Stranded copper wire, bare 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 - wire) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 20 °C Deperating temperature max. (dynamic) 80 °C Coperating temperature max. (dynamic) 80 °C	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 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 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 - ascket) 1,5 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (ixed) 80 °C Operating temperature min. (dynamic) 20 °C Doperating temperature min. (dynamic) 80 °C Flame resistance <	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 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 - acket) 1,5 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (min. (dynamic) 80 °C Operating temperature max. (dynamic) <t< td=""><td>Outer diameter insulation</td><td>1,25 mm</td></t<>	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation 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 (standard) to DIN VDE 0298-4 Current load capacity (wire) 1,5 kV @ 60 s Electrical resistance line constant wire 80000 pF/km Power frequency withstand voltage (wire - acket) Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature max. (dynamic) 20 °C Operating temperature max. (dynamic) 80 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) Bending radius (fixed) 15 x Outer diameter Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Outer diameter tolerance core insulation	± 5 %
Amount strands (wire) 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 \(\Omega \text{LW} \text{m} \text{ Q} \text{ W} \text{ G0 S} \text{ S} Electric a resistance line constant wire 1,5 kV \(\text{ G0 S} \text{ S} 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) 40 °C Coperating temperature ma	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 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 - acket) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 20 °C Operating temperature max. (dynamic) 80 °C Plame 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 No. of bending cycles (C-track) </td <td>Ingredient freeness wire insulation</td> <td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire) Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) 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 - acket) Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) 20 °C Operating temperature max. (dynamic) 80 °C Good, application-related testing Good, application-related testing Oil resistance Good, application-related testing Bending radius (fixed) 15 × Outer diameter Bending radius (fynamic) 15 × Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Amount strands (wire)	32
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 - acket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature with (dynamic) -20 °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 No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 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 - acket) 1,5 kV @ 60 s Power frequency withstand voltage (wire - acket) 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 § 109 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Dil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C horizontal	Conductor crosssection (wire)	0,25 mm ²
Nominal voltage AC max. Current load capacity (standard) 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 - aicket) 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 Bending radius (fixed) 15 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) 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 - acket) 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 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 No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Conductor type (wire)	strand class 6
Current load capacity min. wire 3 A Electrical resistance line constant wire 76 \(\Omega \)/km \(\emptyre 20 \) °C AC withstand voltage (wire - wire) 1.5 kV \(\emptyre 60 \) s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - acket) 1.5 kV \(\emptyre 60 \) 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 No. of bending cycles (C-track) 3 Mio. \(\emptyre 25 \) °C horizontal	Nominal voltage AC max.	
Electrical resistance line constant wire 76 \(\Omega \) \(\text{PM} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{S} \) \(\text{Q} \) \(\text{O} \) \(\text{C} \) \(\text{Max. operating temperature (fixed)} \) \(\text{80 °C} \) \(\text{C} \) \(\text{Operating temperature min. (dynamic)} \) \(\text{-20 °C} \) \(\text{Operating temperature max. (dynamic)} \) \(\text{80 °C} \) \(\text{Plame resistance} \) \(\text{UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 \) \(\text{chemical resistance} \) \(\text{Good, application-related testing} \) \(\text{Good, application-related testing} \) \(\text{Oil resistance} \) \(\text{Good, application-related testing} \) \(\text{Oil resistance} \) \(\text{Good, application-related testing DIN EN 60811-404} \) \(\text{Bending radius (fixed)} \) \(\text{10 x Outer diameter} \) \(\text{15 x Outer diameter} \)	Current load capacity (standard)	
AC withstand voltage (wire - wire) 1,5 kV @ 60 s Electric capacitance 80000 pF/km Power frequency withstand voltage (wire - iacket) 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 Gasoline resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 15 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C horizontal		
Electric capacitance 80000 pF/km Power frequency withstand voltage (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 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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal		
Power frequency withstand voltage (wire - iacket) Min. operating temperature (static) Max. operating temperature (fixed) Max. operating	<u> </u>	• •
Min. operating temperature (static) Max. operating temperature (fixed) 80 °C Poperating temperature max. (dynamic) May observed Max. operating temperature (fixed) 80 °C Plane resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Chemical resistance Good, application-related testing 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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal		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 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 No. of bending cycles (C-track) 5 m @ 25 °C horizontal	Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Max. operating temperature (fixed)	
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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature min. (dynamic)	
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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Operating temperature max. (dynamic)	
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 No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Flame resistance	
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	chemical resistance	
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 15 x Outer diameter No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Oil resistance	
No. of bending cycles (C-track) 3 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (fixed)	10 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C horizontal	Bending radius (dynamic)	
	No. of bending cycles (C-track)	
Travel speed (C-track) 2 m/s @ 25 °C	Traversing distance (C-track)	·
	Travel speed (C-track)	2 m/s @ 25 °C