

M12 Power male 0° / female 0° L-cod.

PUR 5x2.5 bk UL/CSA+drag ch. 1.5m

Power M12 – M12, 5-pole Male straight – female straight L-coded with cable sleeves

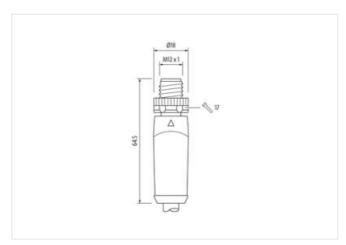
Plastic housings with good resistance against chemicals and oils.

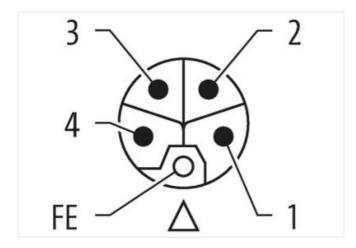
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

Link to Product

Illustration



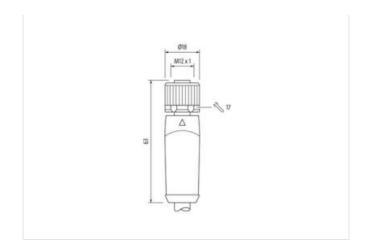


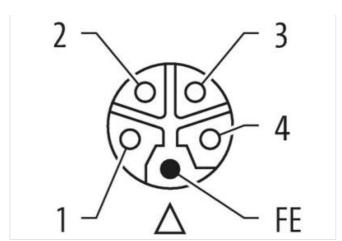


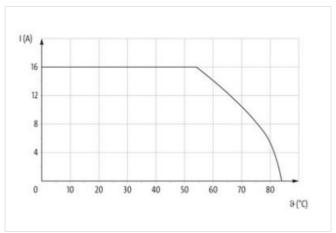




stay connected







Product may differ from Image









Cable length	1,5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	16,4 mm
Coding	L
Material contact	Copper alloy
No. of poles	5
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
Coding	L

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: 2024-06-26



stay connected

Material contact	Copper alloy
No. of poles	5
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879866842
Packaging unit	1
Electrical data Supply	
Operating voltage DC max.	63 V
Current operating per contact max.	16 A
Diagnostics	
Status indication LED	no
Installation Connection	
Width across flats	SW17
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP66K
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data Material data	
Coating locking	Nickeled
Material gasket	FKM
Material housing	PUR
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	7 7 01
	05.00
Operating temperature min.	-25 °C 85 °C
Operating temperature max. Additional condition temperature range	depending on cable quality
	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	IEC 61076-2-111
Installation Cable	
motanation Oubic	grov E. block 4. blue 2. white 2. brown 1
wire errengement	gray 5, black 4, blue 3, white 2, brown 1
<u> </u>	
wire arrangement Cable identification Cable Type	P34 3

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: 2024-06-26



stay connected

Stranding 1 Stranding 5 wires around Core filler (wieted Filler yes	Jacket Color	black
Stranding Swires around Core filler twisted	Type of Certificate	cURus
Filler yes wire airraigement gray 5, black 4, blue 3, white 2, brown 1 Cable weigh 222.2 g/m Material jacket PUR Shore hardness jacket PUR Freedom from ingredients (jacket) Outer-disameter (jacket) Outer-disameter (jacket) Outer-disameter (jacket) Outer-disameter (jacket) Outer-disameter (jacket) S 5 % Material wire insulation PP Amount wires 5 5 Shore hardness wire insulation Outer disameter outer-insulation Outer disameter outer-insulation Outer disameter insulation Outer disameter outer-insulation Outer disameter outer-insulation Outer disameter insulation Outer disameter outer-insulation Ingredient freeness wire insulation Outer disameter outer-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation Outer-insulation-insulation-insulation Outer-insulation-insulat	Amount stranding	1
wire arrangement gray 5, black 4, blue 3, white 2, brown 1 Cable weight 222,2 gm Material jacket PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) 90 ± 5 Shore A Freedom from ingredients (jacket) 95 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Cuter diameter insulation 2,88 mm Outer diameter insulation 2,88 mm Outer diameter insulation 60 ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation 10 lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation	Stranding	5 wires around Core filler twisted
Cable weigth 222.2 g/m Material jacket PUR Shore hardness jacket 90.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 9,5 mm Other admander (jacket) 1.5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2.5 % Shore hardness wire insulation 60.± 5 Shore D Ingredient freeness wire insulation 1.5 % Shore hardness wire insulation 60.± 5 Shore D Ingredient freeness wire insulation 1.5 % Shore hardness wire insulation 1.5 % Understands (wire) 1.0 Mack (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation addrese) and isolated or single wires 0.15 mm Conductor oreassaction (wire) 2.5 mm² 4 Material conductor wire 5 tranded copper wire, bare 4 Conductor type (wire) strand class 8 4 Nominal vallage AC max. 1000 V De 298 4 Current load capacity min. wi	Filler	yes
Material jacket PUR Shore hardness jackel 90 ± S Shore A Freedom from ingredients (jacket) 90 ± S Shore A Outer-diamoter (jacket) 9,5 mm Tolerance outer diamoter (health) 2 5 % Marterial wire insulation PP Amount wires 5 Outer diamoter invalation 2.5 mm Outer diamoter over insulation 2.5 % Nore hardness wire insulation 60 ± S Shore D Ingredient freeness wire insulation black (write solation), white (solation blue), white (solation brown), white (solation black), white (gray isolation around strands (wire) Printing color of were insulation black (write solation), white (solation blue), white (solation brown), white (solation black), white (gray isolation around strands (wire) Diameter of single wires 0.15 mm Conductor by exity (wire) 140 Diameter of single wires 0.15 mm Conductor by exity (wire) stranded copper wire, bare Conductor by exity (wire	wire arrangement	gray 5, black 4, blue 3, white 2, brown 1
Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 9.5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation 2,85 mm Outer diameter tolerance core insulation 60 ± 5 Shore D Ingredient freeness 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 Ingredient freeness 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 Ingredient freeness 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 Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Ingredient freeness wire insulation 10 Km Ingredient freeness wire insulation 10 Km	Cable weigth	222,2 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 9,5 mm Toferance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter tolerance core insulation ± 5 % Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation ± 5 % fore D Ingredient freeness wire insulation ± 60 ± 5 Shore D Ingredient freeness wire insulation ± 6 ± 5 Shore D Printing color of wire insulation ± 6 ± 6 cc. admium-free, CFC-free, halogen-free, silicone-free Amount strands (wire) ± 140 Diameter of single wires 0,15 mm Conductor strands (wire) ± 5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) ± 5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) ± 5 mm² Material conductor wire \$ 1000 V Current load capacity (strandard) to Din V ± 6 258-4 Current load capacity (wire wire) 10 kV @ 60 s	Material jacket	PUR
Outer-diameter (jacket) 9,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 2,85 mm Outer diameter insulation 60 ± 5 Shore D Under diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of vire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) Jib memory of virein substance of single wires 0,15 mm Conductor of single wires 0,15 mm Conductor respectation (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max 1000 V Current load capacity (standard) to DIN VDE 0298 4 Current load capacity (standard) to DIN VDE 0298 4 Current load capacity wire wire) 10 kW @ 60 s AC withstand voltage (wire - wire) 10 kW @ 60 s Min. operating temperature (static) 50° C <	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 5 Outer diameter insulation 2,85 mm Outer diameter blerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation bead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) Diameter of single wires 0,15 mm Conductor vire of single wires 0,15 mm Conductor vire (wire) 2.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VIDE 0298-4 Current load capacity with wire 19.5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Min. operating temperature (itsed) 8	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 5 Outer diameter insulation 2,85 mm Outer diameter behave core insulation 60 ± 5 Shore D Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) Diameter of single wires 0.15 mm Conductor crosssection (wire) 2.5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity win. wire 19,5 A Electrical resistance line constant wire 8 Okm @ 20 °C AC withstand Voltage (wire wire) 10 kV @ 60 s Power frequency withstand voltage (wire wire) 10 kV @ 60 s No. operating temperature (sixed) 80 °C / 90 °C @ 10000 h Operation Oper	Outer-diameter (jacket)	9,5 mm
Amount wires 5 Outer diameter insulation 2,85 mm Outer diameter insulation ±5 % Shore hardness wire insulation 60 ±5 Shore D Ingredient freeness wire insulation black (white isolation), white (isolation black), white (gray isolation homount strands (wire) 140 Diameter of single wires 0,15 mm Conductor crosssection (wire) 2,5 mm² Raterial conductor wire (solation) wire (solation black), white (gray isolation homount strands (wire) 140 Diameter of single wires 0,15 mm Conductor type (wire) 2,5 mm² Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 ∨ Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance ine constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Max. operating temperature (static) 50 °C Max. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 50 °C @ 10000 h Operation Ut resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Fending gradus (fixed) 5 x Quer diameter Bending gradus (fixed) 5 x Quer diameter Fending radius (fixed) 5 x Quer diameter For Quer diameter (Track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C T	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 2,85 mm Outer diameter biolarance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation black free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 140 Diameter of single wires 0,15 mm Conductor of single wires 0,15 mm Conductor (wire) 2,5 mm² Material conductor (wire) Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal vollage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Min. operating temperature (istatic) -50 °C Max. operating temperature (istatic) -50 °C Max. operating temperature (istatic) -00 °C	Material wire insulation	PP
Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) Diameter of single wires 0,15 mm Conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (wire - wire) 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - isolate) 10 kV @ 60 s Min. operating temperature (statio) -50 °C Min. operating temperature (statio) -50 °C Operating temperature mix. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance Good, application-related testing </td <td>Amount wires</td> <td>5</td>	Amount wires	5
Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadminum-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation amount strands (wire) Diameter of single wires 0,15 mm Conductor (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (sixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, ap	Outer diameter insulation	2,85 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation Amount strands (wire) 140 Jameter of single wires 0,15 mm Conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Conductor type (wire) strand class 6 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 DKMm @ 0 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Max. operating temperature (static) 50 °C Max. operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN ENSO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Diameter of the fixed of the fixed of the f	Outer diameter tolerance core insulation	± 5 %
Printing color of wire insulation Amount strands (wire) 140 Diameter of single wires 0,15 mm² Material conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) Current load capacity (standard) Current load capacity (sindard) Current load capacity (s	Shore hardness wire insulation	60 ± 5 Shore D
Amount strands (wire) 140 Diameter of single wires 0.15 mm Conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) 10 bIN VDE 0298-4 Current load capacity (standard) 10 kV @ 60 s Electrical resistance line constant wire 8 0/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Max. operating temperature (static) -50 °C Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance Good, application-related testing Gasoline resistance Good, a	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires 0,15 mm Conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - ipacket) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (static) -80 °C 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance U. 1 1581 § 1100 FT2 IEC 60332-2-2 U. 1581 § 1090 chemical resistance Good, application-related testing Chemical resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter<	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)
Conductor crosssection (wire) 2,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (fixed) 5 x Outer diamet	Amount strands (wire)	140
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - iacket) 10 kV @ 60 s Min. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traver sing distance (C-track)	Diameter of single wires	0,15 mm
Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - jacket) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (gynamic) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 2	Conductor crosssection (wire)	2,5 mm ²
Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19.5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - jacket) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Book of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) <	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - lacket) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Tosion stress ± 1	Conductor type (wire)	strand class 6
Current load capacity min. wire 19,5 A Electrical resistance line constant wire 8 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - jacket) 10 kV @ 60 s Min. operating temperature (static) -50 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C Travel speed (C-track) 5 m @ 25 °C Tosion stress ± 180 °/m	Nominal voltage AC max.	1000 V
Electrical resistance line constant wire 8 \(\textit{ N/k m \@ 20 \circ C} \) AC withstand voltage (wire - wire) 10 kV \@ 60 s Power frequency withstand voltage (wire - jacket) 10 kV \@ 60 s Min. operating temperature (static) -50 \circ C Max. operating temperature (fixed) 80 \circ C / 90 \circ @ 10000 h Operation Operating temperature min. (dynamic) -25 \circ C Operating temperature max. (dynamic) 80 \circ C / 90 \circ @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 \(\xi \) 1100 FT2 IEC 60332-2-2 UL 1581 \(\xi \) 1090 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 \(\times \) Outer diameter Bending radius (dynamic) 10 \(\times \) Outer diameter No. of bending cycles (C-track) 5 \(\times \) @ 25 \circ C Traversing distance (C-track) 3,3 m/s @ 25 \circ C Travel speed (C-track) 3,3 m/s @ 25 \circ C No. of torsion cycles \(\times \) ± 180 \(\circ m \)	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Nin. operating temperature (static) So °C Max. operating temperature (fixed) So °C / 90 °C @ 10000 h Operation Operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 mile 25 °C Traversing distance (C-track) 5 mile 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 5 mile 25 °C	Current load capacity min. wire	19,5 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) -50 °C Max. operating temperature (fixed) Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 m @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3.3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Electrical resistance line constant wire	8 Ω/km @ 20 °C
Jacket) Min. operating temperature (static) Max. operating temperature (fixed) Mor. operating temperature (fixed) Mor. operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	AC withstand voltage (wire - wire)	10 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 mio. @ 25 °C Traver sing distance (C-track) 5 mio. 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 × Outer diameter Bending radius (dynamic) 10 × Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Min. operating temperature (static)	-50 °C
Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
DIN EN ISO 4892-2 A Flame resistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 5 Mio. 2 Mio. Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistance Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing DIN EN 60811-404
No. of bending cycles (C-track) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track) 5 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	No. of bending cycles (C-track)	5 Mio. @ 25 °C
No. of torsion cycles 2 Mio. Torsion stress ± 180 °/m	Traversing distance (C-track)	5 m @ 25 °C
Torsion stress ± 180 °/m	Travel speed (C-track)	3,3 m/s @ 25 °C
Torsion stress ± 180 °/m	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	·	± 180 °/m
	Torsion speed	35 cycles/min