

M12 Power male 0° / female 0° S-cod.

PUR 4x1.5 bk UL/CSA+drag ch. 12m

Power
Male straight – female straight
M12 – M12, 4-pole
S-coded
with cable sleeves

Plastic housings with good resistance against chemicals and oils.

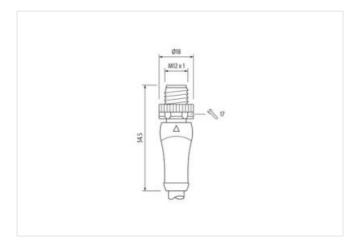
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

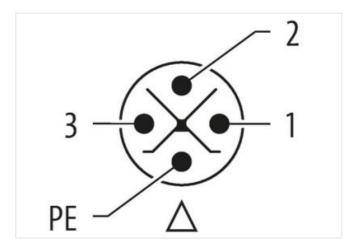
Link to Product

Illustration



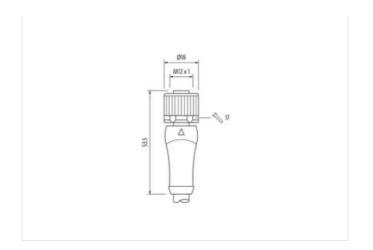


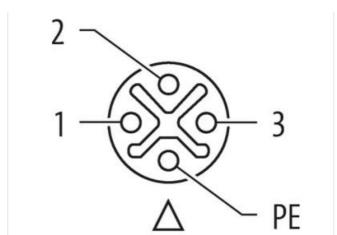


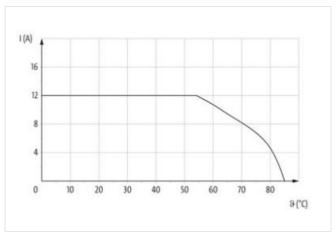




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Product may differ from Image











Cable length	12 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)	12 mm
Coding	S
Material contact	Copper alloy
No. of poles	4
Side 2	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
Coding	S

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: 2024-05-17



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Material contact	Copper alloy
No. of poles	4
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	4048879745505
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	600 V
Current operating per contact max.	12 A
Diagnostics	
Status indication LED	no
Installation Connection	
Width across flats	SW17
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	6 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	
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	
	IEC 61076 2 111
Product standard	IEC 61076-2-111
Installation Cable	
Cable identification	P16
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	black

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Stranding	Type of Certificate	cURus
wire arrangement green-yellow, black 3, black 2, black 1 Gabbe weight 114,4 gm 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) 1 ± 5 %. Material view insulation PP Amount views 4 Outer diameter insulation 2,3 mm Outer diameter insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation white (salatin) white (salatin) black N Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation white (salatin) black N Amount strands (wire) B4 Diameter of single wires 0,15 mm Conductor or single wires 0,15 mm Material conductor view Stranded copper wire, bare a strand class 6 Conductor type (wire) slandard) to DIN VDE 0296 4 Current load capacity (standard) to DIN VDE 0296 4 Current load capacity (standard) to DIN VDE 0296 4 Current load capacity min. wire 13,3 D/km @ 20 °C AC withstand voltage (wire - wire) 14,4 A Electrical resistance line constant wire 13,3 D/km @ 20 °C Min. operating temperature (static) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 60 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) 7,5 x Duter diameter Gasoline resistance Good, application-related testing DIN EN 6981-404 Bending radius (dynamic) 10 x Duter diameter Bending radius (dynamic) 10 x Duter diameter Sources of the sistence A sillow of the sil	Amount stranding	1
Cable weight 114.4 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) 7,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 2,3 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 84 Bineater of simple wires 0,15 mm Conductor orassection (wire) 1,5 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 (standard) to NV @ 60 s	Stranding	4 wires twisted
Cable weight 114.4 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) 7,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter insulation 2,3 mm Outer diameter insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation white (solation black) Amount strands (wire) 84 Bineater of simple wires 0,15 mm Conductor orassection (wire) 1,5 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 (standard) to NV @ 60 s	wire arrangement	green-yellow, black 3, black 2, black 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) 7.2 mm Tolerance outer diameter (sheath) ± 5 % Matterial wire insulation PP Amount wires 4 Outer diameter insulation 2,3 mm Outer diameter tolerance corre insulation 60 ± 5 Shore D Ingredient freeness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing obt of wire insulation white (solation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor bype (wire) strand dass 6 Nominal voltage AC max. 100 IV Current load capacity strandard 10 IV VE 098-4 Current load capacity strandard 10 IV VE 098 Power frequency withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - wire) <td>Cable weigth</td> <td></td>	Cable weigth	
Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 7,2 mm	Material jacket	PUR
Outer-diameter (jacket) 7,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter 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 white (solation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor rossessection (wire) 1,5 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 (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 10 kW @ 60 s AC withstand voltage (wire - wire) 10 kW @ 60 s Power frequency withstand voltage (wire - wire) 10 kW @ 60 s Min. operating temperature (ixed) 80 °C / 90 °C @ 100000 h Operation	Shore hardness jacket	90 ± 5 Shore A
Outer-diameter (jacket) 7,2 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Amount wires 4 Outer diameter 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 white (solation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor rossessection (wire) 1,5 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 (standard) to DIN VDE 0298-4 Current load capacity (wire wire) 10 kW @ 60 s AC withstand voltage (wire - wire) 10 kW @ 60 s Power frequency withstand voltage (wire - wire) 10 kW @ 60 s Min. operating temperature (ixed) 80 °C / 90 °C @ 100000 h Operation	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation PP Amount wires 4 Outer diameter insulation 2,3 mm Outer diameter tolerance 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 white (solation black) Armount strands (wire) 84 Diameter of single wires 0.15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage AC max. 1000 V Current load capacity strandard to DIN NDE 0298-4 Current load capacity min. wire 14,4 A Electrical resistance line constant wire 13,3 0/km @ 20 °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 max. (dynamic) 25 °C Operating temperature max. (dynamic) 25 °C	Outer-diameter (jacket)	<u> </u>
Amount wires 4 Outer diameter insulation 2,3 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing obir of wire insulation white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Nominal voltage a C 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 114.4 A Electrical resistance line constant wire 13,3 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 (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation Operating temperature max. (dynamic) -25 °C Operating temperature max. (dynamic) 80 °C / 90 °C @ 10000 h Operation Ut resistance DIN EN ISO 4992-2 A Flame resistance Good, application-related testing Oil resistance Solves (C-track) 5 M io. @ 25 °C Travel speed (C-track) 5 M io. @ 25 °C Travel speed	Tolerance outer diameter (sheath)	± 5 %
Outer diameter insulation 2,3 mm Outer diameter bloarance core insulation ± 5 % Shore hardness wire insulation 60 ± 5 Shore D Ingredient freeness wire insulation white (isolation black) Armount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crossection (wire) 1,5 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 14.4 A Electrical resistance line constant wire 13,3 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 min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature min. (dynamic) -25 °C Operating temperature max. (dynamic) -60 °C @ 10000 h Operation UV resistance Good, application-related te	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 cotor of wire insulation white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 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) 10 kV @ 60 s Electrical resistance line constant wire 13,3 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) 450 °C Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A State persistance UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related te	Amount wires	4
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 white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor vive Stranded copper wire, bare 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 13,3 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 (static) -50 °C Operating temperature (mixed) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4892-2 A Flame resistance U. 1581 § 1100 FT2 [IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing	Outer diameter insulation	2,3 mm
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 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 (isolation) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A Electrical resistance line constant wire 13,3 Ω km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (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 min. (dynamic) 80 °C / 90 °C @ 10000 h Operation UV resistance DIN EN ISO 4898-2 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 Dil resistance Good, application-related testing Bending radius (fixed) 7,5 × Outer diameter Bending radius (fixed) 5 Mio. @ 25 °C Traversing distance (C-track) 5 Mio. @ 25 °C	Outer diameter tolerance core insulation	± 5 %
Printing color of wire insulation white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 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 14,4 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - included) 10 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (static) 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 UL 1581 § 1100 FLOR 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404	Shore hardness wire insulation	60 ± 5 Shore D
Printing color of wire insulation white (isolation black) Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 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 14,4 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - included) 10 kV @ 60 s Min. operating temperature (static) 50 °C Max. operating temperature (static) 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 UL 1581 § 1100 FLOR 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire) 84 Diameter of single wires 0,15 mm Conductor crosssection (wire) 1,5 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 (rine wire) 10,4 A A Electrical resistance line constant wire 13,3 C/km @ 20 °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 (fixed) 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 UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Bending radius (fixed) 7,5 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 mio. 25 °C Traversing distance (C-track) 5 mio. 25 °C	Printing color of wire insulation	-
Conductor crosssection (wire) 1,5 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 14,4 A Electrical resistance line constant wire 13,3 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 (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 Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 10 x Outer diam	Amount strands (wire)	84
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 14,4 A Electrical resistance line constant wire 13,3 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 m @ 25 °C Traver sing distance (C-track) <td< td=""><td>Diameter of single wires</td><td>0,15 mm</td></td<>	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 14,4 A Electrical resistance line constant wire 13,3 Ω/km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - ijacket) 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Bending radius (dynamic) 5 Mio. @ 25 °C Traversing distance (C-track) 5 m	Conductor crosssection (wire)	1,5 mm²
Nominal voltage AC max. 1000 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14.4 A Electrical resistance line constant wire 13.3 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) 7,5 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 m @ 25 °C Traver sing distance (C-track)	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A Electrical resistance line constant wire 13,3 \(\Omega \)/ \text{ \text	Conductor type (wire)	strand class 6
Current load capacity min. wire 14,4 A Electrical resistance line constant wire 13,3 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 Oil resistance Good, application-related testing Oil resistance Good, application-related testing Din En 60811-404 Bending radius (fixed) 7,5 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. @ 5°C	Nominal voltage AC max.	1000 V
Electrical resistance line constant wire 13,3 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) 7,5 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 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C Tosion stress ± 180 °/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) No coperating temperature (static) No coperating temperature (fixed) No coperating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) No coperating temperature max. (dynamic) No coperati	Current load capacity min. wire	14,4 A
Power frequency withstand voltage (wire - jacket) 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 Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 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) 7,5 x Mio. 2 Mio. Torsion stress ± 180 °/m	Electrical resistance line constant wire	13,3 Ω/km @ 20 °C
Min. operating temperature (static) Min. operating temperature (fixed) Min. operating temperature (fixed) Min. operating temperature min. (dynamic) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Win 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) 7,5 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 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 DIN EN 60811-404 Bending radius (fixed) 7,5 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	Power frequency withstand voltage (wire - jacket)	10 kV @ 60 s
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) 7,5 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 m @ 25 °C Travel speed (C-track) 3,3 m/s @ 25 °C No. of torsion cycles ± 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 Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 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
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) 7,5 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 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 DIN EN 60811-404 Bending radius (fixed) 7,5 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 Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404 Bending radius (fixed) 7,5 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) 7,5 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) 7,5 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) 7,5 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)	7,5 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
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min