

## M12 Power L-cod. female 4p. 0° with cable

PUR 4x1.5 bk UL/CSA+drag chain 10m

Customized printing and packaging

Power

Female straight

M12, 4-pole

with cable sleeves

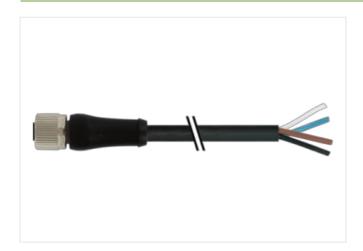
Plastic housings with good resistance against chemicals and oils.

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

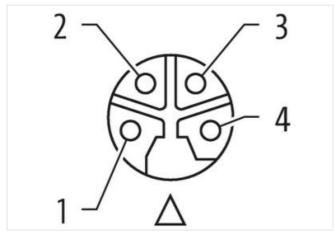
Further cable lengths on request.

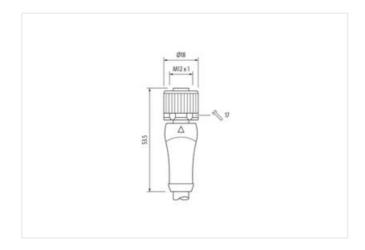
## **Link to Product**

## Illustration









Product may differ from Image





Cable length

10 m

Side 1



stay connected

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
Material contact	Copper alloy
No. of poles	4
Side 2	
Tightening torque	0,6 Nm
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879835725
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	63 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	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
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	IEC 61076-2-111
Installation   Cable	
Cable identification	P07
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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: 2024-05-09



## stay connected

Jacket Color	Cable Type	3
Type of Certificate         cURIus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         5 black 4, blue 3, white 2, brown 1           Traversing distance (C track)         5 m @ 25 °C           Gable 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 flameter (sheath)         2.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         2.5 %           Shore hardness wire insulation         6.5 % Shore 0           Ingredient freeness wire insulation         6.6 % Shore 0	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Amount stranding   1	Jacket Color	black
Stranding	Type of Certificate	cURus
wire arrangement black 4, blue 3, white 2, brown 1 Traversing distance (C+track) 5 m @ 25 °C Abla weight 114,4 ym Material jacket PUR Shore hardness 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 %  Amaterial wire insulation PP Amount wires 4 Amount silver insulation 2,3 mm Outer diameter insulation 2,3 mm Outer diameter insulation 2,3 mm Outer diameter insulation 50 ± 5 Shore D  Diared diameter insulation 50 ± 5 Shore D  Diared fameter insulation 50 ± 5 Shore D  Shore hardness wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Printing color of wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by explaints wire insulation 50 ± 5 Shore D  Conductor by	Amount stranding	1
Traversing distance (C-track)         5 m @ 25 °C           Cable weigh         114.4 g/m           Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         92 mm           Outer-diameter (jacket)         7,2 mm           Tolerance outer diameter (jacket)         7,2 mm           Tolerance outer diameter (jacket)         7,2 mm           Amount wires         4           Amount wires         4           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         5 %           Shore hardness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         blast five, cadmium-free, CPC-free, haloger-free, silicone-free           Phrinting color of wire insulation         blast five, cadmium-free, CPC-free, haloger-free, silicone-free           Diameter of single wires         0,15 mm           Conductor tray (wire)         B4           Diameter of single wires         0,15 mm           Conductor type (wire)         1,5 mm²           Material conductor wire         Stranded coppor wire, bare           Conductor	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, sillcone-free           Outer diameter (jacket)         7,2 mm           Otlerance user diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter folerance core insulation         2,3 mm           Outer diameter folerance core insulation         2,5 mm           Shore hardness wire insulation         60 ± 5 Shore D           Ingredient freeness wire insulation         60 ± 5 Shore D           Printing color of wire insulation         60 ± 5 Shore D           Printing color of wire insulation         9 ke A           Printing color of wire insulation         84           Diameter of single wires         0,15 mm           Conductor type (wire)         5 mm²           Material conductor wire         5 tranded copper wire, bare           Conductor type (wire)         5 tranded copper wire, bare           Coursent load capacity min. wire         14,4 A           Ellictrical resistance line constant wire         10 kW @ 60 s           Coursent load capacity min. wire	wire arrangement	black 4, blue 3, white 2, brown 1
Material jacket         PUR           Shore hardness jacket         90.1.5 Shore A           Freedon from ingredients (jacket)         12.5 Shore A           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 foreance order insulation         60.5 Shore D           Ingredient freeness wire insulation         60.5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Printing color of wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Printing color of wire insulation         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Printing color of wire insulation         black (white isolation), white (isolation brown), white (isolation black)           Amount strands (wire)         84           Diameter of single wires         0,15 mm           Conductor crosssection (vire)         1,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal avoitage AC max.         1000 V	Traversing distance (C-track)	5 m @ 25 °C
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         black (white isolation), white (solation blue), white (isolation brown), white (isolation black)           Amount strands (wire)         84           Diameter of siling wires         0,15 mm           Conductor tyre (wire)         1,5 mm²           Material conductor wire         Stranded copper wire, bare           Conductor by (wire)         stranded sep 6           Nominal vollage AC max.         1000 V           Current load capacity (standard)         to DIN VDE (298-4           Current load capacity (standard)         to DIN VDE (298-4           Current load capacity win, wire         14,4 A           Electrical resistance in e-onstant wire         13,3 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV @ 60 s <td>Cable weigth</td> <td>114,4 g/m</td>	Cable weigth	114,4 g/m
Preedom from ingradients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	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         ± 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         blad (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Amount strands (wire)         8           Diameter of single wires         0,15 mm           Conductor or sessection (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 6298-4           Current load capacity wink. 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)         80 °C / 90 °C @ 10000 h Operation           Up resistan	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         ± 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         blad (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Amount strands (wire)         8           Diameter of single wires         0,15 mm           Conductor or sessection (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 6298-4           Current load capacity wink. 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)         80 °C / 90 °C @ 10000 h Operation           Up resistan	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 tolorance 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), white (isolation blue), white (isolation brown), 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.         100 IV V           Current load capacity min. wire         14,4 A           Electrical resistance line constant wire         13,3 D/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 min. (dynamic)         -25 °C           Operating temperature min. (dynamic)         -80 °C / 90 °C @ 10000 h Operation     <	Outer-diameter (jacket)	7,2 mm
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 color of wire insulation black (white isolation), white (isolation blue), 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 (standard) to DIN VDE 0298-4 Current load capacity min. wire 14,4 A Electrical resistance line constant wire 13,3 0km @ 20 °C AC withstand voltage (wire - wire) 10 kV @ 60 s Power frequency withstand voltage (wire - in load voltage (wir	Tolerance outer diameter (sheath)	±5%
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 color of wire insulation         black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)           Amount strands (wire)         84           Diameter of single wires         0,15 mm           Conductor of single wires         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 (wire - incorstant wire)         13,3 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         10 kV @ 60 s           Power frequency withstand voltage (wire - incorstant 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 (static)<	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         black (white isolation), white (isolation blue), white (isolation brown), 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 writistand voltage (wire - wire)         10 kV @ 60 s           Power frequency writhstand voltage (wire - wire)         10 kV @ 60 s           Min. operating temperature (static)         50 °C           Max. operating temperature (static)         50 °C           Operating temperature (wind)         80 °C / 90 °C @ 10000 h Operation           UV resistance         DIN EN ISO 4982-2 A           Flame resistance	Amount wires	4
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)           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)         11, kV 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 min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         UL 1581 § 1909   UL 1581 § 1100 FT2   IEC 60392-2-2           Flame resistance         Good, application-related tes		2,3 mm
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)           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)         11, kV 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 min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           UV resistance         UL 1581 § 1909   UL 1581 § 1100 FT2   IEC 60392-2-2           Flame resistance         Good, application-related tes	Outer diameter tolerance core insulation	·
Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black) Amount strands (wire) 84  Diameter of single wires 0,15 mm²  Material 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 O/km @ 20 °C  AC withstand voltage (wire - wire) 10 kV @ 60 s  Power frequency withstand voltage (wire - incapacity (isolation) 80 °C / 90 °C @ 10000 h Operation  Operating temperature (isatic) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature (static) -30 °C @ 10000 h Operation  Operating temperature (static) -45 °C  Operating temperature (static) -50 °C @ 10000 h Operation  Operating temperature max. (dynamic) -25 °C  Din Electrical resistance -300, application-related testing  Gasoline resistance -300, application-related testing  Oll resistance -300, application-related testing   DIN EN 60811-404  Bending radius (fixed) -7,5 × Outer diameter  Flavel speed (C-track) -5 Mio. @ 25 °C  No. of torsion cycles -2 Mio. 25 °C  Torsion stress ± 180 °/m		60 ± 5 Shore D
Printing color of wire insulation black (white isolation), white (isolation brown), white (isolation black) Amount strands (wire) 84  Diameter of single wires 0,15 mm²  Material 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 O/km @ 20 °C  AC withstand voltage (wire - wire) 10 kV @ 60 s  Power frequency withstand voltage (wire - incapacity (isolation) 80 °C / 90 °C @ 10000 h Operation  Operating temperature (isatic) -50 °C  Max. operating temperature (fixed) 80 °C / 90 °C @ 10000 h Operation  Operating temperature min. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature max. (dynamic) -25 °C  Operating temperature (static) -30 °C @ 10000 h Operation  Operating temperature (static) -45 °C  Operating temperature (static) -50 °C @ 10000 h Operation  Operating temperature max. (dynamic) -25 °C  Din Electrical resistance -300, application-related testing  Gasoline resistance -300, application-related testing  Oll resistance -300, application-related testing   DIN EN 60811-404  Bending radius (fixed) -7,5 × Outer diameter  Flavel speed (C-track) -5 Mio. @ 25 °C  No. of torsion cycles -2 Mio. 25 °C  Torsion stress ± 180 °/m	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 min. wire 14,4 A  Electrical resistance line constant wire 13,2 O/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 (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 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  Enerding radius (fixed) 7,5 x Outer diameter  Favel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles ± 180 °/m		· · · · · · · · · · · · · · · · · · ·
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)         10 bIN 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 (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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7.5 × Outer diamete		
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 - lack)         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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gli resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (fixed)         7,5 × Outer diameter           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °	. ,	0.15 mm
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 (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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2           chemical resistance         Good, application-related testing           Oil resistance         Good, application-related testing           Oil resistance         Good, application-related testing   DIN EN 60811-404           Bending radius (dynamic)         10 × Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio. 25 °C <td></td> <td>·</td>		·
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 - iaket) 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 § 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) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m		·
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 - giacket)         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 § 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)         7,5 x Outer diameter           Bending radius (fixed)         10 x Outer diameter           Travel speed (C-track)         5 Mio. @ 25 °C           No. of torsion cycles         2 Mio. 25 °C           Torsion stress         ± 180 °/m	Conductor type (wire)	
Current load capacity (standard)  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)  Min. operating temperature (static)  Operating temperature (fixed)  80 °C / 90 °C @ 10000 h Operation  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 § 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)  7,5 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Torsion stress  ± 180 °/m		
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 § 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)       7,5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       5 Mio. @ 25 °C         No. of torsion cycles       2 Mio. 25 °C         Torsion stress       ± 180 °/m		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 - 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 § 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) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  Torsion stress ± 180 °/m		
AC withstand voltage (wire - wire)  Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical resistance  Good, application-related testing  Oil resistance  Good, application-related testing   DIN EN 60811-404  Bending radius (fixed)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  No. of torsion cycles  ± 180 °/m		· · · · · · · · · · · · · · · · · · ·
Power frequency withstand voltage (wire - jacket)  Min. operating temperature (static)  So °C  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  UV resistance  DIN EN ISO 4892-2 A  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)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  Torsion stress  ± 180 °/m		
Jacket)  Min. operating temperature (static)  Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Operating temperature max. (dynamic)  Bo °C / 90 °C @ 10000 h Operation  UV resistance  DIN EN ISO 4892-2 A  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)  7,5 x Outer diameter  Bending radius (dynamic)  10 x Outer diameter  Travel speed (C-track)  5 Mio. @ 25 °C  No. of torsion cycles  ± 180 °/m		
Max. operating temperature (fixed)  Operating temperature min. (dynamic)  Operating temperature max. (dynamic)  OPERATURE MAX. (dynamic)  OPER		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 § 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) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 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 § 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) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 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 § 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) 7,5 x Outer diameter Bending radius (dynamic) 10 x Outer diameter Travel speed (C-track) 5 Mio. @ 25 °C No. of torsion cycles 2 Mio. 25 °C Torsion stress ± 180 °/m	Operating temperature min. (dynamic)	-25 °C
Flame resistance UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  chemical 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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Oil resistance Good, application-related testing   DIN EN 60811-404  Bending radius (fixed) 7,5 x Outer diameter  Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  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  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter  Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track) 5 Mio. @ 25 °C  No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m	Bending radius (fixed)	7,5 x Outer diameter
No. of torsion cycles 2 Mio. 25 °C  Torsion stress ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	5 Mio. @ 25 °C
	No. of torsion cycles	2 Mio. 25 °C
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min