

## M12 female 0° A-cod. with cable

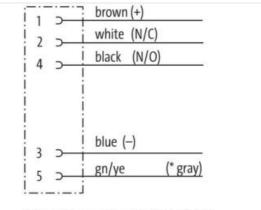
PUR 5x0.34 ye UL/CSA+drag ch. 3m

Female straight M12, 5-pole A-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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.

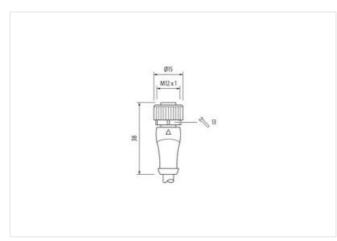
## Link to Product

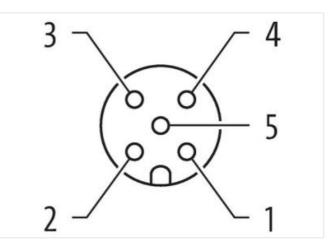






(\* for cable type 126, 732, 219, 619, 729)





Product may differ from Image

3 m	
0,6 Nm	
inserted, screwed	
gold plated	
M12	
M12 x 1	
	0,6 Nm inserted, screwed gold plated M12

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: 2024-04-25

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suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879211642
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating of fitting	nickel plated
Material gasket	FKM
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	

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Cable Type       3         Jacket Color       yellow         Type of Certificate       cURus         Annout stranding       1         Stranding       1         Stranding       5 wires around Care Iller twisted         Filer       yes         wire arrangement       brown, black, blob, white, green yellow         No. of bending cycles (C+track)       10 Mio. @ 25 °C         Cable weight       41.8 gm         Madrela Jacket       90 ± 5 Shore A         Freedem trom ingredients (jacket)       10 ± 5 Shore A         Freedem trom ingredients (jacket)       4 mm         Outer diameter (jacket)       4 S %         Adversited wei jacket       5 %         Cuter diameter insulation       25 %         Annount wires       5         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.92 mm         Canduct conserves wire insulation       1.92 S Nore D         Ingredient free-reserve wire insulation       1.92 f S %         Diameter of single wires       0,1 mm         Conductor orsescection (wire)       9.4 f Amr <sup>2</sup> <	Cable identification	035
Type of Certificate       cURus         Amount stranding       1         Stranding       5 were around Core filter twisted         Filter       yes         wire arrangement       brown, black, blue, white, green-yellow         No. of banding syches (C-track)       10 Mo. @ 25 °C         Cable weight       41.8 g/m         Material jacket       PUR         Shore hardness jackat       90.1 5 Shore A         Freedom from ingredients (jacket)       18ad free, camium-free, CPC-free, halogen-free, silicone-free         Outer diameter (steath)       1.5 %         Material jacket       PP         Amount wires       5         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 %         Shore hardness wire insulation       1.25 mm         Outer diameter insulation       1.25 %         Shore hardness wire insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 %         Shore hardness wire insulation       1.25 %         Diameter of alsigle wires       0,1 mm         Conductor rossection (wire)       0,34 mm <sup>3</sup> Materi	Cable Type	3
Amount stranding       1         Straining       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown. black. blue, white, green-yellow         No. of bending cycles (C-track)       10 blo.@ 25 °C         Cable weight       41,8 g/m         Material gackat       PUR         Shore hardness (acket)       10 ± 5 Shore A         Freedom from ingredients (jacket)       4.8 mm         Order-adimeter (jacket)       4.8 mm         Order-adimeter (jacket)       4.8 mm         Order-adimeter (jacket)       1.5 %.         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1.28 mm         Outer diameter insulation       1.28 mm         Outer diameter insulation       1.28 mm         Outer diameter wire insulation       1.0 m @         Amount strands (wire)       3.1 mm         Conductor wires wire insulation	Jacket Color	yellow
Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, green-yellow         Ne. of bending cycles (C-track)       10 Mio. @ 25 °C         Cable weight       41,8 g/m         Material Jacket       PUF         Shore handness jacket       90 + 5 Shore A         Freedon from ingredients (jacket)       4,8 mm         Cuter-diameter (jacket)       4,8 mm         Tolerance outer diameter (behatt)       4 5 %         Cuter diameter (isoket)       4,5 mm         Cuter diameter insulation       PP         Amount wires       5         Outer diameter insulation       70 + 5 %         Shore hardness wire insulation       70 + 5 %         Outer diameter insulation       125 rm         Conduct crosssection (wire)       42         Diameter of single wires       0,1 mm         Conductor wire       Stranded copper wire, bare         Aderial conductor wire       Stranded copper wire, bare	Type of Certificate	cURus
File       yes         wire arrangement       brown, black, blue, white, green-yellow         No. of bending cycles (C-track)       10 Mo. @ 25 °C         Cable weight       41.8 g/m         Material jacket       PUB         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead free, cadmium free, CPC free, halogen-free, silicone-free         Outer diameter (jacket)       4.8 mm         Tearance outer diameter (sheat)       1.5 %         Material jacket       S         Outer diameter (jacket)       1.5 %         Material wire insulation       PP         Amount wires       5         Outer diameter tolerance occre insulation       1.25 mm         Outer diameter tolerance occre insulation       1.25 mm         Outer diameter tolerance occre insulation       lead free, cadmium free, CFC free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of siligne wires       0.1 mm         Conductor crossescien (wire)       0.34 mm²         Conductor wire       Stranded copper wire, bare         Conductor wire       Stranded sis fill         Conductor wire       Stranded dosper wire, bare	Amount stranding	1
File       yes         wire arrangement       brown, black, blue, white, green-yellow         No. of bending cycles (C-track)       10 Mo. @ 25 °C         Cable weight       41.8 g/m         Material jacket       PUB         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead free, cadmium free, CPC free, halogen-free, silicone-free         Outer diameter (jacket)       4.8 mm         Tearance outer diameter (sheat)       1.5 %         Material jacket       S         Outer diameter (jacket)       1.5 %         Material wire insulation       PP         Amount wires       5         Outer diameter tolerance occre insulation       1.25 mm         Outer diameter tolerance occre insulation       1.25 mm         Outer diameter tolerance occre insulation       lead free, cadmium free, CFC free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of siligne wires       0.1 mm         Conductor crossescien (wire)       0.34 mm²         Conductor wire       Stranded copper wire, bare         Conductor wire       Stranded sis fill         Conductor wire       Stranded dosper wire, bare	Stranding	5 wires around Core filler twisted
wire arrangement       brown, black, blue, white, green-yellow         No. di berding cycles (C-track)       10 Mio. @ 25 °C         Cable weigh       41,8 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4,8 mm         Tolerance outer diameter (jacket)       4,8 mm         Cluer diameter insulation       1,25 mm         Outer diameter insulation       1,25 mm         Conductor consection (wire)       4,2 mm         Diameter of single wires       0,1 mm         Conductor rossection (wire)       0,34 mm²         Material conductor wire       Strand class 6         Traversing distance (C+track)       10 m @ 25 °C   horizontal         Current Load capacity (standard)       10 D W DE 208-4         Current Load capacity (standard)       50 V         Power frequency withst		Yes
Cable weight   41,8 g/m     Material jacket   PUR     Shore hardness jacket   92,5 Shore A     Freedom from ingredients (jacket)   Lead free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4,8 mm     Tolerance outer diameter (sheath)   4,5 %     Material wire insulation   PP     Amount wires   5     Outer diameter risulation   1,25 mm     Outer diameter insulation   70,5 %     Shore hardness wire insulation   70,5 %     Shore hardness wire insulation   70,5 %     Shore hardness wire insulation   70,5 %     Shore instructures wire insulation   70,5 %     Material conductor rossection (wire)   0,34 mm <sup>2</sup> Material conductor rossection (wire)   0,34 mm <sup>2</sup> Conductor rossection (wire)   0,5 %     Conductor wire   S A     Electrical resistance (inc constant wire   57 Q/km @ 20 °C     Nominal voltage power (Ar mas. 300 V  <	wire arrangement	brown, black, blue, white, green-yellow
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)       4.8 mm         Tolerance outer diameter (jacket)       1.5 %         Material wire insulation       PP         Amount wires       5         Outer diameter (jacket)       1.25 mm         Outer diameter tolerance ore insulation       1.25 mm         Outer diameter tolerance ore insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor respection (wire)       0,24 mm²         Traversing distance (C+track)       10 m @ 25 °C (Invisontal         Current load capacity (standard)       to DN VDE 0298-4         Current load capacity (standard)       to DN VDE 0298-4         Current load capacity (standard)       to DN VDE 029 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power       2,5 kV @ 60 s         Mix. operating temperature (istac)       40 °C	No. of bending cycles (C-track)	10 Mio. @ 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)       4.8 mm         Tolerance outer diameter (sheat)       2.5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       1.25 mm         Outer diameter tolerance core insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount stands (wire)       42         Dameter of single wires       0,1 mm         Conductor crossection (wire)       0.34 mm²         Material conductor wire       Strand cooper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-tack)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to IN VDE 0296.4         Current load capacity (standard)       to IN VDE 0296.4         Current load capacity min. wire       4.5 A         Electrical resistance line constant wire       57 Ωkm @ 20 °C         Nominal voltage power (Kareax)       3	Cable weigth	41,8 g/m
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.8 mm       Tolerance outer diameter (sheath)     ± 5 %       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor orssescion (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (strandard)     300 V       Power frequency withstand voltage power AC max.     300 V       Power frequency withstand voltage power     2,5 kV @ 60 s       Min. operating temperature (stace)     -40 °C       Min. operating temperature (stace)     -40 °C       Min. operating temperature (stace)     80 °C / 90 °C @ 10000 h Operation <t< td=""><td>Material jacket</td><td>PUR</td></t<>	Material jacket	PUR
Outer-diameter (acket)       4,8 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter (solution)       ± 5 %         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       42         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor trossection (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       57 2/km @ 20 °C         Nominal voltage power (wire - wire)       2,5 kV @ 60 s         Kd. withstand voltage power (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (kixed)       40 °C / 90 °C @ 10000 h Operation         Operating temperature (kixed)       40 °C / 90 °C @ 10000 h Operation	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires5Outer diameter insulation1,25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulationiead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 C/km @ 20 °CNominal voltage power AC max.300 VPower frequency withistand voltage power2,5 kV @ 60 sMin. operating temperature (static).40 °CMax. operating temperature (static).25 °COperating temperature (static).26 °C 90 °C @ 10000 h OperationOperating temperature (static).25 °COperating temperature min. (dynamic).25 °C 00000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDipolication-related testingGasoline resistanceDipolication-related testingGood, application-related testingS outer diameterBending radius (fixed)5 x	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1,25 mm         Outer diameter folerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C (horizontal         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity withstand voltage power       2,5 kV @ 60 s         Ac withstand voltage power (wire - wire)       2,5 kV @ 60 s         Ac outhstand voltage power (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Querating temperature (static)       -40 °C	Outer-diameter (jacket)	4,8 mm
Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1,25 mm         Outer diameter folerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C (horizontal         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity withstand voltage power       2,5 kV @ 60 s         Ac withstand voltage power (wire - wire)       2,5 kV @ 60 s         Ac outhstand voltage power (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Querating temperature (static)       -40 °C		
Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient Treeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor vorsessection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0290 °C    <		PP
Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor cosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current toad capacity (standard)       to DIN VDE 028-4         Power frequency withstand voltage power       57 Ωkm @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power       2,5 kV @ 60 s         Min. operating temperature (statc)       -40 °C         Max. operating temperature (fked)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (statc)       -25 °C         Opera	Amount wires	5
Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - wire)     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature min. (dynamic)     -25 °C		
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor rosssection (wire)     0.34 mm <sup>3</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Power frequency withstand voltage power     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   300 V     Power frequency withstand voltage power   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating temperature (static)	Shore hardness wire insulation	70 ± 5 Shore D
Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   300 V     Power frequency withstand voltage power   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature (static)   -25 °C     Operating temperature (static)	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - wire)       2,5 kV @ 60 s         AC withstand voltage power (wire - wire)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Filame resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404 [ Good, application-relat	Amount strands (wire)	
Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - iacket)     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       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     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related te		0.1 mm
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4.5 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         Nominal voltage power AC max.       300 V         Power frequency withstand voltage power (wire - jacket)       2.5 kV @ 60 s         AC withstand voltage power (wire - wire)       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       5 °C (@ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 §		·
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2,5 kV @ 60 sAC withstand voltage power (wire - wire)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of torsion cycles2 Mio.Torsion speed35 cycles/min		
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Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       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     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min		
Current load capacity min. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - jacket)     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °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       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     DIN EN 60811-404   Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min		
Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - jacket)     2,5 kV @ 60 s       AC withstand voltage power (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °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       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     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min		
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Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Min. operating temperature (static)	-40 °C
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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     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min	Operating temperature min. (dynamic)	-25 °C
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Gasoline resistance     Good, application-related testing       Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance     DIN EN 60811-404   Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min	chemical resistance	Good, application-related testing
Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of torsion cycles     2 Mio.       Torsion speed     35 cycles/min	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)   10 x Outer diameter     No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of torsion cycles   2 Mio.     Torsion speed   35 cycles/min	Bending radius (fixed)	5 x Outer diameter
Torsion speed 35 cycles/min	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion speed	35 cycles/min
	Torsion stress	± 180 °/m

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: 2024-04-25