

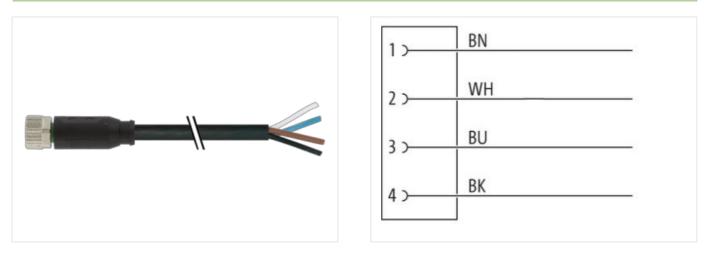
## M8 female 0° A-cod. with cable

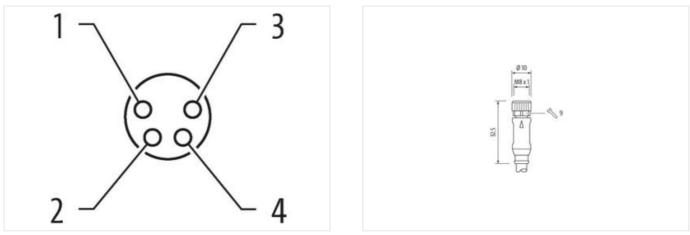
PUR 4x0.25 bk UL/CSA+drag ch. 20m

Female straight M8, 4-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration





Product may differ from Image



20 m

0,4 Nm

Cable length

Side 1

Tightening torque

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: 2024-05-18

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gold plated M8 M8 x 1 6,5 mm A Copper alloy PUR 4 SW9 IP65, IP66K, IP67 20 mm gold plated
M8 x 1     6,5 mm     A     Copper alloy     PUR     4     SW9     IP65, IP66K, IP67     20 mm
6,5 mm A Copper alloy PUR 4 SW9 IP65, IP66K, IP67 20 mm
A Copper alloy PUR 4 SW9 IP65, IP66K, IP67 20 mm
Copper alloy PUR 4 SW9 IP65, IP66K, IP67 20 mm
PUR 4 SW9 IP65, IP66K, IP67 20 mm
4 SW9 IP65, IP66K, IP67 20 mm
SW9 IP65, IP66K, IP67 20 mm
IP65, IP66K, IP67 20 mm
20 mm
aold plated
free cable end
07070010
27279218
27279218
27279218
27060311
27060311
27060311
27060311
EC001855
85444290
4048879229166
1
50 V
60 V
30 V
30 V
4 A
no
<b>0</b> 0
20 mm
M8 x 1
inserted, screwed
3
1,5 kV
Nickeled
nickel plated
FKM
Zinc die-casting
Zinc die-casting
inserted, screwed, Shaking protection

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Operating inspersive min.     45 °C       Asstional condition tempersture range     depending on cable quality       Important installation notes     Meeting on cable quality       Note on starin nivid     Protect the connectors by suitable measures from mechanical loads. og. by the usage of cable loads ondrangered by sociassive bunding forces.       Catol on term in protection of the connectors by suitable measures from mechanical loads. og. by the usage of cable loads ondrangered by sociassive bunding forces.       Catol on term in protection of the connectors by suitable measures from mechanical loads. og. by the usage of cable loads ondrangered by sociassive bunding forces.       Cable for the connectors by suitable measures from mechanical loads. og. by the usage of cable loads ondrangered by sociassive bunding forces.       Cable for the connectors by suitable measures from mechanical loads.       Cable for the connectors by suitable measures from mechanical loads.       Cable for the connectors by suitable measures from mechanical loads.       Cable for the connectors by suitable measures from mechanical loads.       Cable for the connectors by suitable measures from mechanical loads.       Cable for the connectors by suitable measures from mechanical loads.       Type of Cable for the started loads.       <	Environmental characteristics   Climatic	
Additional condition temperature range     depending on cable quality       Important instillation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.       Note on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fee.       Contornity     Image: Contornity       Product standard     DNE N6 10762-104 (MB)       Installation (Cable     Cable Identification       Cable Identification     631       Cable Optimized     URus       Anount strandard     URus       Anount strandard     URus       Anount strandard     91 L       Starked Color     Uake       Cable segint     31 g/m       Material jostet     PUR       Store A     Procedor from ingredients (ukota)       Additional could utansfer (sheath)     1.5 Six       Material globel     9.1 Six Six       Toperation could utansfer (sheath)     1.5 Six       Additional could utansfer (shea	Operating temperature min.	-25 °C
Index on stain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable free.       Note on berding radius     Attention: Observe the permissible bending radiu when laying cables, as the IP protection class can be endingered by excessive bending forces.       Conformity     Product standard       Product standard     DIN EN 61076-2-104 (MS)       Installication     631       Cable forging     3       Jacket Coar     black       Prop of Certificate     c.UNise       Arround stranding     1       Stranding     4 wires beaded       Maiorial jackite     DIN EN 61076-2-104 (MS)       Maiorial jackite     C.UNise       Arround stranding     1       Stranding     4 wires beaded       Maiorial jackite     DIN EN 61076-2000       Stranding     4 wires beaded       Material arkite (acket)     1.5 %       Strandings     1.5 %       Material wire insulation     PP       Arround wires     4       Cuber diameter (facket)     1.5 %       Strandings wire insulation     7.0 ± 5 %       Strandines wire insulation     1	Operating temperature max.	85 °C
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fees.       Note on bending radius     Attention: Observe the permissible bending fores.       Contonnity     Product attande       Product attande     DIN No 1076 2-104 (MB)       Installation (Cable     Cable form       Cable form     State     Pprotect attande       Type of Certificate     Calle form     State       Automating     1     State       Type of Certificate     Calle form     State       Type of Certificate     Calle form     State       Type of Certificate     Culfus     Culfus       Amount strained     1     Straining     4 wires twisted       Straining     4 wires twisted     Straining     5 mm       Calle form     Store functions (state)     PUIL       Store hardness (state)     PUIL     Store functions (state)     PUIL       Calle form     Store functions (state)     PUIL     Store functions (state)     PUIL       Store functions (state)     Store functions (state)     Store functions (state)     Store functions (state) <t< td=""><td>Additional condition temperature range</td><td>depending on cable quality</td></t<>	Additional condition temperature range	depending on cable quality
Note on bending radius     Afteritor: Observe the permitsible bending radii when leying cables, as the IP protection class can be and argured by excessive bending forces.       Contornity     Product standard     DN EN 61076-2-104 (M6)       Instaliation (Cable Cable Centification     651       Cable Centification     651       Cable Centification     651       Cable Centification     651       Type of Centificatie     cuPRus       Stranding     1       Stranding     1       Stranding     4 wires Nvisted       We arrangement     Drown, black, blue, white       Cable veright     36 g in       Material jackot     PUF       Stranding     4 uses twisted       Outer diameter (facket)     4.5 mm       Outer diameter (facket)     4.5 mm       Outer diameter (facket)     4.5 mm       Outer diameter insulation     1.5 % mm       Outer diameter insulation     1.5 % mm       Outer diameter insulation     1.6 % is       Str	Important installation notes	
Note the Hold In Judius     endangered by excessive bending forces.       Carlormity     Product standard     DIN EN 61078-2-104 (M6)       Installation ( Cable Cable Type     S       Gable Type     S     S       Jacket Coor     black     Content       Type of Cartificatio     cURus     Content       Amount stranding     1     Stranding     4 wires kvisted       Write arrangement     brown, black, blue, white     Content     Stranding       Material jacket     90 B     S Shore A     Stranding     Material jacket     PUR       Toker and write (radiest)     4 stranding     1 s S Shore A     Stranding     4 wires kvisted       User-cannet (radiest)     4 S     Shore A     Stranding     Material jacket     9 S Shore A       Tokerance outer diameter (sheath)     ± 5 %     Shore A     Stranding     Material jacket     9 S Shore A       Tokerance outer diameter (sheath)     ± 5 %     Shore D     Shore D     Shore D       Tokerance outer diameter (sheath)     ± 5 %     Shore D     Shore B     Shore B     Shore D     Shore D <th< td=""><td>Note on strain relief</td><td>Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.</td></th<>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DIN EN B1076 2.104 (MB)       Installation (Gable     Cable identification     6.31       Cable identification     6.31     Cable Type     3       Jacket Color     black     Dispersion	Note on bending radius	
Installation   Cable       Cable (denficition     631       Cable Type     3       Cable Type     3       Definition     (Denficition)       Type of Certificate     CURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, bloe, white       Cable weigh     33 g/m       Material jackat     PUR       Shore hardness jackat     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmum-free, CPC-free, halogen-free, silicone-free       Outer diameter (jackat)     4.5 mm       Outer diameter insulation     1.25 mm       Outer diameter insulatio	Conformity	
Cable identification     631       Cable Type     3       Jackel Color     black       Type of Certificate     cUFlus       Ancurt stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     33 g/m       Material jacket     PUR       Share hardness jacket     90 ± 5 Share A       Freedom from ingredients (jacket)     4.45 mm       Tolerance outer diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Amount wires     4       Auder diameter tolerance core insulation     ± 25 mm       Outer diameter tolerance core insulation     ± 25 mm       Outer diameter tolerance core insulation     ± 25 mm       Outer diameter tolerance core insulation     ± 5 %       Share hardness wire insulation     70 ± 5 Share D       Ingredient tiseness wire insulation     125 mm       Outer diameter tolerance core insulation     ± 5 %       Share hardness wire insulation     10 ± 5 mm       Outer diameter tolerance core insulation     ± 5 mm <td< td=""><td>Product standard</td><td>DIN EN 61076-2-104 (M8)</td></td<>	Product standard	DIN EN 61076-2-104 (M8)
Cable Type     3       Jacket Color     black       Type of Certificate     cLRus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable worgth     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Irom ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolarance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     4       Outer diameter fuelexance core insulation     1.25 mm       Graduet type (wire)     32       Inameter of algo wires     0.1 mm       Conductor type (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare	Installation   Cable	
Cable Type     3       Jacket Color     black       Type of Certificate     cLRus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable worgth     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom Irom ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolarance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     4       Outer diameter fuelexance core insulation     1.25 mm       Graduet type (wire)     32       Inameter of algo wires     0.1 mm       Conductor type (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare	Cable identification	631
Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Gable weight     33 g m       Marerial jackt     PUR       Store hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer (diameter (sheath)     1.5 %       Material jackt     PP       Amount wires     4       Outer diameter (sheath)     1.25 mm       Outer diameter insulation     1.25 mm       Ganductor crossection (vire)     0.25 mm²       Branefer of single wires     0.1 mm       Conductor type (vire)     strand class 6       Traversing distance (C-rack)     10 m @ 25 °C (Inorzontal       Nominal voltage AC max.     300 V       Current load capach		3
Amount stranding   1     Stranding   4 wires twisted     wire arrangement   brown, black, blue, while     Gable weigth   33 g/m     Material jacket   PUR     Shore hardness glackt   90 ± 5 Shore A     Freedom from ingredients (jacket)   4.5 mm     Outer-diameter (jacket)   4.5 mm     Oberance outer diameter (jacket)   4.5 mm     Outer diameter (jacket)   1.25 mn     Outer diameter insulation   7.0 ± 5 Shore D     Ingredent freeness wire insulation   7.0 ± 5 Shore D     Ingredent freeness wire insulation   1.0 ± 5 m²     Conductor orssection (wire)   0.25 mn²     Material conductor wire   Stranded copper wire, bare     Conductor orssection (wire)   0.25 mn²     Material conductor wire   Stranded copper wire, bare     Conductor orspection (wire)   0.25 m²	Jacket Color	black
Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weight     33 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 (gacket)     4.5 m       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter tolerance core insulation     1.25 m       Outer diameter tolerance core insulation     1.25 %       Shore hardness wire insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter diverance     0.1 mm       Conductor cossescion (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare	Type of Certificate	cURus
wire arangement     brown, black, blue, white       Cable weigth     33 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)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material lavie insulation     PP       Amount Wres     4       Outer diameter insulation     1.25 mn       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.5 mn       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.5 fx       Shore hardness wire insulation     1.25 mm       Outer diameter disenace core insulation     1.25 mm       Gouter core section (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.25 mn²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande class 6       Traversing distance (C+track)     10 m @ 25 °C [horizontal       Noninal voltage AC ma	Amount stranding	1
Cable weigh 33 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom trom ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 4.5 mm   Tolerance outer diameter (jacket) ± 5 %   Material wile insulation PP   Amount wires 4   Outer diameter insulation 1.25 mm   Outer diameter insulation 70 ± 5 Shore D   Shore hardness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 1.25 mm   Outer diameter (wire) 32   Diameter of single wires 0.1 mm   Conductor type (wire) strand class 6   Traversing distance (C-track) 10 m @ 25 °C   horizontal   Nominal voltage (wire vire) 2.5 KV @ 60 s   Current load capacity min. wire 3.6 A   Current load capacity withstand voltage (wire) 2.5 KV @ 60 s   Power frequency withstand voltage (wire) 2.5 KV @ 60 s   Power frequency withstand voltage (wire) 2.5 KV @ 60 s   Power frequency withstand voltage (wire) 2.5 KV @ 60 s   Min. operating temperature (fixed) 40 °C   Mas. operanang temperature (fixed) <	Stranding	4 wires twisted
Material jacket     PUR       Shore hardness jacket     90.5 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Toferance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       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     10 ± 6 / Free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor osseschion (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor torssection (wire)     0.25 mr²       Material conductor wire     Stranded copper wire, bare       Conductor toge (wire)     32 stranded copper wire, bare       Conductor toge (wire)     0.25 mr²       Material conductor wire     Stranded copper wire, bare       Conductor toge (wire)     0.25 mr²	wire arrangement	brown, black, blue, white
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (jacket)     ± 5 %       Material wire insulation     PP       Amount vires     4       Outer diameter insulation     1.25 mm       Conductor and three core insulation     1.25 mm       Normal visualition     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.25 mm²       Material conductor wire     Stranded cooper wire, bare       Conductor type (wire)     stranded cooper wire, bare       Conductor type (wire)     stranded cooper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard) <td>Cable weigth</td> <td>33 g/m</td>	Cable weigth	33 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free     Outer-diameter (jacket)   4.5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter insulation   1.26 mm     Ingredient freeness wire insulation   1.26 mm     Diameter of single wires   0.1 mm     Conductor crossection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor tracks   10 m @ 25 °C   horizontal     Norminal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 028-4     Current load capacity (standard)   to DIN VDE 028-4     Current load capacity (standard)   to DIN VDE 028-4     Current load capacity (nin, wire   3.6 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2.	Material jacket	PUR
Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Anount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     ± 5 %       Shore hardness wire 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)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Neminal voltage AC max.     300 V       Current load capacity (stindard)     to DIN VDE 0298-4       Current load capacity (min. wire     3,6 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - laster)     2,5 kV @ 60 s       Min. operating temperature (statc	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1,25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor rosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (mix- wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       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)     32       Diameter of single wires     0,1 mm       Conductor cossection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor cossection (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - ine)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - ine)     2,5 kV @ 60 s       Deverting temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed) <td>Outer-diameter (jacket)</td> <td>4,5 mm</td>	Outer-diameter (jacket)	4,5 mm
Amount wires   4     Outer diameter insulation   1,25 mm     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)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0.25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wine - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - 2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (ixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (max. (dynamic))   -25 °C     Operating temperature (max. (dynamic))   -25 °C     Operating temperature (max. (dynamic))	Tolerance outer diameter (sheath)	±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     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A       Electrical resistance line constant wire     79 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - lacket)     40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature fixed     80 °C / 90 °C @ 10000 h Operation       Operating te	Material wire insulation	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)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (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	Amount wires	4
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)   32     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Coretrol reseistance   2,5 kV @ 60 s	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - 3,6 A   Electrical resistance line constant wire     Play Christiand Voltage (wire - 4,5 KV @ 60 s   S     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80	Outer diameter tolerance core insulation	±5%
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (win. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, applic	Shore hardness wire insulation	
Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3,6 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   40 °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 4892-2 A     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-rel		
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Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   3.6 A     Electrical resistance line constant wire   79 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   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     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	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Conductor crosssection (wire)	·
Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 AElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing	Material conductor wire	Stranded copper wire, bare
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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	jacket)	
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		
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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		
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		
chemical resistance Good, application-related testing   Gasoline resistance Good, application-related testing   Oil resistance Good, application-related testing   DIN EN 60811-404		
Gasoline resistance Good, application-related testing   Oil resistance Good, application-related testing   DIN EN 60811-404		
Oil resistance Good, application-related testing   DIN EN 60811-404		
Bending radius (fixed) 5 x Outer diameter	-	
	Bending radius (fixed)	5 x Outer diameter

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: 2024-05-18

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Bending radius (dynamic)	10 x Outer diameter	
Travel speed (C-track)	10 Mio. @ 25 °C	
No. of torsion cycles	2 Mio.	
Torsion stress	± 180 °/m	
Torsion speed	35 cycles/min	