

## M12 female 90° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 8m

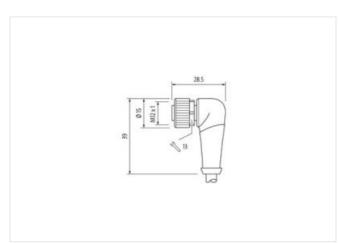
Female 90° M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

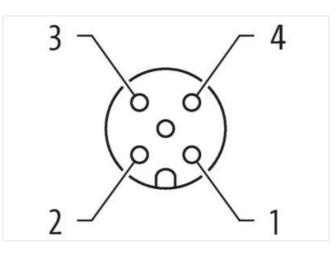
## Link to Product

Illustration









Product may differ from Image



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

8 m

0,6 Nm



inserted, screwed
gold plated
M12
M12 x 1
10 mm
Α
Copper alloy
PUR
SW13
IP65, IP66K, IP67
20 mm
gold plated
Copper alloy
27279218
27279218
27279218
27060311
27060311
27060311
27060311
EC001855
85444290
4048879679749
1
250 V
250 V
30 V
30 V
4 A
20 mm
M12 x 1
inserted, screwed
3
2,5 kV
Nickeled
nickel plated
FKM
Zinc die-casting
Zinc die-casting
inserted, screwed, Shaking protection
-25 °C

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Important installation notes       Protect the connections by suitable meaning lack when alying cables, q., by the usage of cable line.         Nate on bending radius       Attention: Occeanve the permissible bending lack when alying cables, q., by the usage of cable line.         Product the connections by suitable bending lack when alying cables, q., by the Protection class can be considered by excessive bending lacks.         Conforming       UNE NB 6176-2-101 [M12]         Installation [Cable       Unow, black, blue, white         Cable doofin       Balek         Type of Confination       634         Cable doofin       Balek         Type of Confination       634         Cable doofin       Balek         Type of Confination       634         Cable weight       Bale Bale         Weight and Bale Bale       Unow, black, blue, white         Cable weight       Bale Bale         Show fund frees glacked       PUR         Show fund frees glacked       PUR         Show fund frees fund frees communetweight and bale Bale frees, camium-frees CPC-frees, halogen-frees, alloone-free         Outer dameter funderes glacked       4         Mancal Xites       4         Outer dameter funderes instalton       7.5 %         Outer dameter instalton	Additional condition temperature range	depending on cable quality
Note on bending radiu       Attention: Observe the permissible bending radii when laying caldes, as the IP protection class can be endrogened by excessive bending tores.         Contornity       Product standard       Dis Net 1076-2-101 (M12)         Installation (Cable       Wite arrangement       brown, black, blue, while         Cable Type       3       3         Jacket Color       black       3         Type af Centricate       culfus       4         Arround stranding       1       5         Straading       4 wises wisted       5         Weight       36.3 g/m       5         Material jacket       PUB       5         Shore hardness jacket       90.1 5. Shore A       5         Predoction ting/diversities       4.1       5         Outer diameter (shorth)       1.5 %       5         Predoction ting/diversities       4.1       5         Outer diameter (shorth)       1.5 %       5         Areadin wire insulation       PP       4         Areadin wire insulation       1.5 %       5         Outer diameter (shorth)       1.5 %       5         Shore hardness wire insulation       1.5 %       5	Important installation notes	
Number (name)       andiageneral by accessive bending broces         Conformity         Product standard       DN EN 61076-2-101 (M12)         Installion (Cable       bown, black, blue, while         Cable identification       634         Cable identification       634         Cable Type       3         Schear Color       black         Around standing       4         Around standing       4         Standard       9         Standard       9         Cable weigh       53, 30         Cable weigh       53, 30         Cable weigh       90 + 5 Shore A         Freadom from ingradients (jucket)       90 + 5 Shore A         Freadom from ingradients (jucket)       90 + 5 Shore A         Freadom from ingradients (jucket)       90 + 5 Shore A         Freadom from ingradients (jucket)       15 %         Material policy       9 + 5 Shore A         Freadom from ingradients (jucket)       15 %         Cable weigh       9 + 5 Shore A         Freadom from ingradients (jucket)       15 %         Cable divers instalion       10 + 5 %         Cable divers instalion       10 + 5 % <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>	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Pockat standard       DN EN 61078-2·101 (M12)         Installation (Eabe         use arrangement       brown, black, blue, while         Cable identification       694         Annout stranding       1         Stranding       4 wires treated         Stranding       4 wires treated         Stranding       90.4 S Shore A         Stranding       90.4 S Shore A         Freedom torm ingredients (ackert)       90.4 S Shore A         Freedom torm ingredients (ackert)       90.4 S Shore A         Freedom torm ingredients (ackert)       1.5 S %         Outer diameter insulation       1.2 S run         Outer diameter insulation       1.2 S run         Outer diameter insulation       1.4 S run         Outer diameter insulation       2.5 S run D         Im	Note on bending radius	
Installation ( Cable         wire arrangement       brown, black, blue, while         Cable Stype       3         Cable Type       3         Cable Stype       3         Cable Stype       3         Jackat Color       black         Type of Cartificate       cuBus         Amount stranding       1         Stranding       4 wires bvisted         wire arrangement       brown, black, blue, white         Cable wight       36.3 g/m         Material Jackat       PUR         Share Inderesting Locket       90.5 S hore A         Freedom from ingredients (tacket)       1.85 free, cardinum free, CFC-free, halogen free, silicone free         Outer-diameter (jacket)       4.5 from         Cable diameter (neath)       4.5 from         Cable diameter instalion       PP         Amount wires       4         Cabre diameter instalion       70.5 S hore D         Carder diameter instalion	Conformity	
Installation ( Cable         wire arrangement       brown, black, blue, while         Cable Stype       3         Cable Type       3         Cable Stype       3         Cable Stype       3         Jackat Color       black         Type of Cartificate       cuBus         Amount stranding       1         Stranding       4 wires bvisted         wire arrangement       brown, black, blue, white         Cable wight       36.3 g/m         Material Jackat       PUR         Share Inderesting Locket       90.5 S hore A         Freedom from ingredients (tacket)       1.85 free, cardinum free, CFC-free, halogen free, silicone free         Outer-diameter (jacket)       4.5 from         Cable diameter (neath)       4.5 from         Cable diameter instalion       PP         Amount wires       4         Cabre diameter instalion       70.5 S hore D         Carder diameter instalion	Product standard	DIN EN 61076-2-101 (M12)
wire arrangement       brown, black, blue, white         Gabe identification       634         Gabe Type       3         Jacker Clafer       black         Type of Certificate       cURus         Amount strunding       1         Standing       4 wires liviated         wires arrangement       brown, black, blue, white         Cable weigh       86.3 g/m         Material jacket       PUR         Store hardness jacket       PUR         Store hardness jacket       90.5 Shore A         Freedom from ingredients (gacket)       18.4 free, cadmium-free, CFC-free, halogen-free, silcone-free         Outer-diameter (gacket)       4.5 mm         Toreance outer diameter (stacket)       5 %         Material wire insulation       7.5 Shore D         Toreance outer diameter (stacket)       4.5 mm         Outer diameter tolerance oore insulaton       1.5 %         Shore hardness wire insulation       7.5 Shore D         Ingredient facerace wire insulation       1.5 %         Daneter of single wires       0.1 mm         Conductor wires       Starddo corper wire, bare         Ansonal strunds (wire)       0.24 mm <sup>2</sup> Canduct		
Cable identification       634         Cable Type       3         Cable Type       3         Lackel Color       black         Type of Carificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blew, white         Cable weigh       63,3 g/m         Material jocket       90 F         Strow hardness jacket       90 ± 5 Shoro A         Freedom from Ingredients (jacket)       4.5 Sm         Outer diameter (instation       1.2 Smm         Outer diameter instation       1.5 Sm         Shore hordness were insulation       1.5 Sm         Diameter diameter (instation       1.5 Smm         Outer diameter insulation       1.5 Smm         Diameter diagnes were insulation       1.5 Smm         Diameter diagnes were insulation       1.5 Smm         Conductor type (wire)       Strand class 6         Normital Variands conductor wire       Size Smore D         Conductor type	· · · ·	
Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires livisided         wire arrangement       brown, black, blue, white         Cable weight       36.3 g/m         Material Jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmum-ree, CFC-free, halogen-free, silicone-free         Outer diameter (sheath)       1 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter (insulation       1.25 mm         Outer diameter insulation       1.87 mm         Outer diameter ore langingery merice, CEC-tree, halogen-free, silico	-	
Jacket Colar Type of Cartificate delPaus Amount stranding 1 Stranding 4 wires twisted wire arrangement brown, black, blue, white Cable weigh 36.5 g/m Material jacket 90 ± 5 Store A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer diameter (jacket) 4.5 mm Tolerance outer diameter (halott) ± 5 %. Material wire insulation PP Amount wires 4 Outer diameter insulation 2.5 mm Outer diameter insulation 2.5 mm Outer diameter insulation 1.25 mm Outer diameter insulation 0.00 NC 90 mC Outer diameter insulation 0		
Type of Certificate       cUFRus         Arnount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigh       36.3 g/m         Material Jacket       PUR         Shore hardness jacket       90.2.5 Shore A         Freedom from ingredients (jacket)       4.3 fm         Tolerance outer diameter (sheath)       4.5 fm         Tolerance outer diameter (sheath)       4.5 %         Annount wires       4         Outer diameter insulation       PP         Annount wires       4         Outer diameter insulation       1.25 %         Shore hardness wire insulation       1.25 %         Shore hardness wire insulation       1.25 %         Shore hardness wire insulation       1.25 %         Diameter of single wires       0.1 mm         Conductor rossection (wire)       0.34 mm <sup>2</sup> Diameter of single wires       0.1 mm         Conductor type (wire)       stranded copper wire, bare         Conductor type (wire)       stranded copper wire, bare         Conductor type (wire)       stranded copper wire, bare         Conductor type (wire)		
Amount stranding       1         Stranding       4 wires twisted         Wire arrangement       brown, black, blue, white         Gable weigth       36.3 g/m         Material jacket       PUR         Shore hardness jackat       90.1 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 (shealth)       ± 5 %.         Material wire insulation       PP         Amount wires       4         Outer diameter loterance occer across insulation       ± 5 %.         Shore hardness wire insulation       1.25 mm         Outer diameter loterance occer insulation       ± 5 %.         Shore hardness wire insulation       1.65 from         Ingredient freeness wire insulation       1.64 free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       0.4 mm         Conductor crosssection (wire)       0.34 mm <sup>2</sup> Conductor wire       Stranded copper wire, bare         Conductor viree       Stranded copper wire, bare         Conductor wire       Stranded copper wire, bare         Conductor viree       Stranded copper		
Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Gable weight       36.3 g/m         Material jacket       PUB         Shore hardness jackal       90.1 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (jacket)       4.5 mm         Amount wires       4         Outer diameter insulation       PP         Amount wires       4         Outer diameter insulation       1.25 mm         Diameter of single wires       0.1 mm         Conductor rossection (vire)       0.34 mm <sup>2</sup> Diameter of single wires       0.1 mm         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V		
wire arrangement       brown, black, blue, white         Cable weight       36,3 g/m         Cable weight       36,3 g/m         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       lead-free, cadmum-free, CPC-free, halogen-free, silicone-free         Outer diameter (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material jacket       PP         Amount wires       4         Outer diameter (sheath)       125 mm         Outer diameter (sheath)       125 mm         Outer diameter wei insulation       125 mm         Outer diameter (sheath)       2 5 %         Shore hardness wire insulation       125 mm         Outer diameter (sheath)       2 5 %         Shore hardness wire insulation       124 free, cadmium-free, CPC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor type (wire)       5t and dass 6         Nominal voltage AC max.       300 V         Current load capacity min. wire       4.8 A         Electrical resistance line constant wire       57 CMm @ 20 °C         AC withstand voltage (wir		· · · · · · · · · · · · · · · · · · ·
Cable weigh       86.3 g/m         Material jacket       PUR         Shore hardness jacket       96 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)       2 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       125 mm         Outer diameter insulation       70 ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       10 ± 5 %         Conductor russection (wire)       0.34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wir		
Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedom from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (jacket)       4.5 mm         Tolerance outer diameter (jacket)       4.5 mm         Amount wires       4         Outer diameter (jacket)       1.5 %         Material wire insulation       1.25 mm         Outer diameter rusulation       1.25 mm         Outer diameter visulation       70 ± 5 Shore D         Ingredient freeness wire insulation       1.84 %         Diameter of slipe wires       0.1 mm         Conductor crosssection (wire)       0.34 mm²         Material conductor wire       Stranded Copper wire, bare         Conductor type (wire)       stranded cosper wire, bare         Conductor type (wire)       stranded cosper         Current load capacity (standard)       to DIN VDE Cose4.	-	
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 uuer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.5 %         Shore hardness wire insulation       1.65 %         Shore hardness wire insulation       1.64 %         Ingredient freeness wire insulation       1.64 %         Conductor crosses wire insulation       1.64 %         Conductor vises serve insulation       1.64 %         Diameter of single wires       0,1 mm         Conductor vises section (wire)       0.34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor vises domain       4.8 A         Electrical resistance       1.0 DIN VDE 0289.4         Current load capacity (standard)       to DIN VDE 0289.4         Current load capacity (standard)       to DIN VDE 0280.4         Coperating temperature (fixed)       40 °C		
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 wire insulation       PP         Amount wires       4         Outer diameter Insulation       1,25 mm         Outer diameter Insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       16 %         Mount Stands (wire)       42         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Norminal 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 (standard)       2,5 kV @ 60 s         Power frequeny withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequeny withstand voltage (wire - wire)       2,5 kV @ 60 s         Max. operating temperature mix. (dynamic)       -25 °C         Operating temperature mix. (dynamic)       80 °C /0 °C @ 10000 h Operation		
Outer-diameter (acket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (solution)     ± 5 %       Outer diameter insulation     1,25 mm       Outer diameter lolerance core insulation     ± 5 %       Shore hardness wire insulation     ± 5 %       Ingredient freeness wire insulation     ± 5 %       Ingredient freeness wire insulation     ± 6 %       Control strands (wire)     42       Diameter of single wires     0,1 mm       Conductor or sossection (wire)     0,34 mm²       Material conductor wire     Strand dosp envire, bare       Conductor torsossection (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,8 A       Electrical resistance line constant wire     57 0km @ 20 °C       AC withstand voltage (wire · vire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire · vire)     2,5 kV @ 60 s       Min. operating temperature (liked)     80 °C / 90 °C @ 10000 h Operation       Oy resistance     DIN EN ISO 48		
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       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     tead-free, cadmium-free, CFC-free, halogen-free, silicone-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 try (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity (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 max. (dynamic)     25 °C °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation		
Material wire insulation       PP         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       1ead-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 mm <sup>2</sup> Diameter of single wires       0,1 mm         Conductor vire       Stranded copper wire, bare         Conductor vire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity (standard)       to DIN VDE 0288-4         Current load capacity (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 (static)       -50 °C 000000 h Operation         UV r		·
Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     1.5 %       Shore hardness wire insulation     104 ± 5 % cadmum-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       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 - iz, sky @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max operature max. (dynamic)     25 °C       Operating temperature (static)     -40 °C       Max operature max. (dynamic)     25 °C       Operating temperature (static)     -40 °C       Max operating temperat		
Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingradient freeness wire insulation     lead-free, cardinum-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor oxsessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN (PC 00 °C	Material wire insulation	
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) $42$ Diameter of single wires $0.1 mm$ Conductor crosssection (wire) $0.34 mm^2$ Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire) $2.5 kV @ 60 s$ Power frequency withstand voltage (wire - jacket) $2.5 kV @ 60 s$ Power frequency withstand voltage (wire - jacket) $2.5 kV @ 60 s$ Max. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-40 °CMax. operating temperature (static)-40 °CPore frequency withstand voltage (wire - jacket) $2.5 kV @ 60 s$ Derating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL ISB1 § 1900   IEC 60332-2-2   UL 1581 § 1100 FT2Che	Amount wires	-
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       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Min: operating temperature 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 (static)     60 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     -25 °C <td>Outer diameter insulation</td> <td>1,25 mm</td>	Outer diameter insulation	1,25 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sMin. operating temperature (tsatic)-40 °CMax. operating temperature (tsatic)40 °CMax. operating temperature (tsatic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN N ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 M	Outer diameter tolerance core insulation	±5%
Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor rosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       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 - isk (wire - is	Shore hardness wire insulation	70 ± 5 Shore D
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       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 (standard)     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - ispace)     2.5 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       OV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testin	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Ac withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h	Amount strands (wire)	42
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - gacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ifxed)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 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 Mio. @ 25 °C		0,1 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 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 (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 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,8 A       Electrical resistance line constant wire     57 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       Nin. 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       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1881 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     4,8 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     40 °C       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)     -25 °C       V resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       No. of bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 Nio. @ 25 °C       Traversing distance (C-track)     10 Mio. @ 25 °C <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Current load capacity min. wire4,8 AElectrical resistance line constant wire57 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistance10 x Outer diameter<	Nominal voltage AC max.	
Electrical resistance line constant wire     57 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 (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   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       No. of bending cycles (C-track)     10 Mio. @ 25 °C    <	Current load capacity (standard)	to DIN VDE 0298-4
AC 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingDi ResistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Current load capacity min. wire	4,8 A
Power 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Electrical resistance line constant wire	57 Ω/km @ 20 °C
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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Nio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Max. 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 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		2,5 kV @ 60 s
Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       No. of bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     10 m @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal	Min. operating temperature (static)	-40 °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   IEC 60332-2-2   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal		
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Operating temperature min. (dynamic)	-25 °C
Flame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	UV resistance	
Gasoline resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance     Good, application-related testing   DIN EN 60811-404       Bending radius (fixed)     5 x Outer diameter       Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal		
Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		Good, application-related testing
Bending radius (dynamic)     10 x Outer diameter       No. of bending cycles (C-track)     10 Mio. @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal	Oil resistance	Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track)     10 Mio. @ 25 °C       Traversing distance (C-track)     10 m @ 25 °C   horizontal	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track)   10 m @ 25 °C   horizontal	Bending radius (dynamic)	10 x Outer diameter
	No. of bending cycles (C-track)	10 Mio. @ 25 °C
Travel speed (C-track) 3 m/s @ 25 °C	Traversing distance (C-track)	10 m @ 25 °C   horizontal
	Travel speed (C-track)	3 m/s @ 25 °C

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No. of torsion cycles

2 Mio.

Torsion stress Torsion speed ± 180 °/m 35 cycles/min

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