

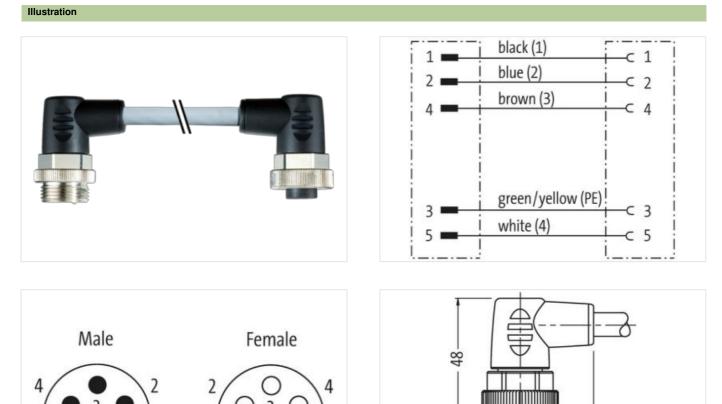
## 7/8" male 90° / 7/8" female 90°

PUR 5x1.5 gy UL/CSA+drag ch. 10m

Male 90° – female 90° 7/8" – 7/8", 5-pole Power cable Further cable lengths 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.

## Link to Product

5

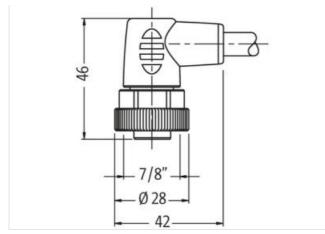


7/8"-Ø28-— 42

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

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Product may differ from Image



Cable length	10 m
Side 1	
Tightening torque	1,5 Nm
Thread	7/8"
Side 2	
Tightening torque	1,5 Nm
Thread	7/8"
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879138215
Packaging unit	1
Electrical data   Supply	
Current operating per contact max.	12 A
Current phase - neutral	230 V
Current phase - phase	400 V
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Rated surge voltage	3 kV
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climati	c

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Operating temperature max.     BF C       Additional condition temperature range     Operating temperature max.     BF C       Additional condition temperature range     Operating temperature max.     BF C       Note on tening radiu     Protect the commotors yesulable measures from mochanical basis, og by the usage of cable ises.       Installation (Cable     Attention: Operatine tenesmission bending radiu when laying cables, as the IP protection class can be embry of viron insulation.       Installation (Cable     OPERATING Class Control     Provide and the solution.       Cable identification     091     OPERATING Class Control       Type of Contribution     Bask (while solution), while (isolation brown), while (isolation black)       Jacket Cloir     yre     Yre       Operating Solid     Yre     Yre       Material jacket     YUR     Yre       Sore hadrones gisledi     99.1 S Sore A     Yre       Trendom truin (solation)     PP     Yre       Cadid daward (	Operating temperature min.	-25 °C
Additional condition temperature range     depending on cable quality       Important Installation nodes     Protect the commetors by suitable measures from mechanical loads, e.g. by the usage of cable dise.       Note on strain relief     Protect the commetors by suitable measures from mechanical loads, e.g. by the usage of cable dise.       Installation 1 Cable     Installation 1 Cable       Cable loader of vire insulation     961       Cable Type     3       Proteing calor of vire insulation     back (white isolation), white (isolation black), white (solation black)       Type of Certificate     cul?us       Amount strainding     1       Strainding     5 wires anound Filter twisted       Filter     yes       wire arrangement     genery view, blue 2, blue 1, white 4, brown 3       Cable weight     128 g gm       Material jacket     PUR       Finedom from ingrodient (gale 0)     5 Shore A       Cardie weight     5 Shore A       Cardie weight     5 Shore A       Cardie weight     5 Shore A       Cardie meater breaker one weight     5 Shore A       Cardie danset (reheating cover insulation     9 F Shore A       Cardie danset (reheating cover insu		
Important Installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bending radiu     Attention: Cheaserve the parmitable bending radiu when laying cables, as the IP protection class can be endingered by excessive bending forces.       Cable identification     961       Cable identification     961       Cable identification     961       Cable identification     984       Dray of Conflicat     QHVs       Amount stranding     1       Stranding     5 wires around Filer helded       Filer     yes       Yos of Conflicat     QHVs       Amount stranding     1       Stranding     1982 wires around Filer helded       Filer     yes       Yos of Conflicat     QHVs       Madral jacket     PUR       Store hardness jacket     90.4 5 Store A       Freecom from ingredients (jacket)     15 %       Madral wire insulation     2.3 mm       Outer diameter insulation     2.3 mm       Outer diameter insulation     2.4 strandinum-hee, CFC-hee, halogen-hee, silicone-hee       Outer dinameter insulation     2.4 strandinum-hee, CFC-hee,		
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.       Note on bording radius     Attention: Cosere the permissible bending radiu when laying cables, as the IP protection diss. Cah be endangered by excessive bending forces.       Testification (Cable     State intermissible bending forces.       Cable identification     91       Standard     92       Weile arrangement     92       Standard     92       Standareded weight <td>, °</td> <td></td>	, °	
Alter on bending radius     Attention: Observe the permisable bending radii when laying cables, as the IP protection diass can be endangered by excessive bending forces.       Installation (Cable Cable inference)     961       Cable inference)     981       Cable inference)     981       Cable inference)     981       Cable inference)     984       Standing     1       Standing     5 wises around Filer twisted       Filer     yes     2 Since hardmass jacket     9 UR       Store hardmass jacket     9 UR     9 Since hardmass jacket     9 UR       Store hardmass jacket     9 UR     9 Since hardmass jacket     9 UR       Outer diameter (glacket)     1 East **     5 %       Material jacket     2 Since A     7       Freedom from ingredients (jacket)     1 East **     5 %       Material wire insulation     2 Since A     7       Freedom from ingredients (jacket)     1 Sin     7 %       Outer	•	Protect the connectors by quitable measures from mechanical loads, e.g. by the usage of cable tice
Note of walking industance     endangment by excessive bending forces.       installation ( Cable     endangment by excessive bending forces.       Cable information     961       Cable information     black (white lealation, white (isolation blue), white (isolation brown), white (isolation blue),       Type of Cartificate     overs       Type of Cartificate     overs       Type of Cartificate     verse ancular Hier Wested       Filer     yee       wire arrangement     groon yellow, blue 2, black 1, white 4, brown 3       Cable weigh     128.8 g/m       Katorial Jack     PDF       Stree hardwess jack     PDF       Stree hardwess jack     PDF       Tolerance ould refere (sheath)     2.5 %       Material wire insulation     PDF       Arrown Write     5       Outer diameter (sheath)     2.5 %       Material wire insulation     6.9 5 Shore D       Ingredient filterance core insulation     2.5 %       Darrow of insulation     2.5 %       Darrow of insulation     2.5 %       Material wire insulation     6.9 5 Shore D       Ingredient fiberance core insulation		
Cable identification     961       Cable Type     3       Printing color of wire insultation     black (white isolation), white (isolation blue), white (isolation block)       Jackel Color     gray       Type of Carlificate     cURus       Amount stranding     1       Stranding     5 wires around Filter Weited       Filter     ysg       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       Cable weight     129,8 g/m       Material jacket     PUR       Shore hardness jacket     99 ± 5 Shore A       Freedom from ingredients (jacket)     8 m       Cable weight     129,8 g/m       Material wire insultation     25 %       Care diameter (jacket)     8 m       Tolerance outer diameter (stalth)     2 5 %       Cable dimeter insultation     2 5 %<	Note on bending radius	
Cable Type     3       Printing color of wire insulation     black (white isolation), white (isolation black), white (isolation black)       Jacket Color     gray       Type of Cartificate     cuPus       Amount stranding     1       Stranding     5 wires around Fillor twisted       Filler     yes       wires arrangement     green-yellow, blue 2, black 1, white 4, brown 3       Cable weigh     102.8 g/m       Material jacket     PUR       Shore hardmess (acket)     PUR       Outer diameter (acket)     8 mm       Outer diameter (acket)     8 mm       Toferance outer diameter (sheath)     1 5 %       Material vice insulation     PP       Amount wires     5       Outer diameter insulation     2.3 mm       Outer diameter insulation     2.3 mm       Outer diameter insulation     1 5 %       Shore hardness wire insulation     1 bad * tes (achium-ree, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     2.5 %       Shore hardness wire insulation     2.5 %       Shore hardness wire insulation     1 5 %	Installation   Cable	
Printing color of wire insulation     black (white isolation) white (isolation blue), white (isolation brown), white (isolation black)       Jacket Color     gray       Type of Certificate     URus       Amount stranding     1       Stranding     5 wires around Filler twisted       Filler     yus       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       Cable weigh     129,8 gr/m       Material jacket     PUR       Strone hardness jacket     90 ± 5 Shore A       Freedom from ingredents (jacket)     8 mm       Tolerance outer diameter (schell)     8 mm       Tolerance outer diameter (schell)     2 5 %       Amount wires     5       Outer diameter berance core insulation     2 5 %       Shore hardness wire insulation     0 ± 5 Shore D       Ingredent Tolenase wire insulation     0 ± 5 Shore D       Finderdis Streen Swire insulation     0 ± 5 Shore D       Finderdis Green Swire insulation     10 Jack (white isolation blue), white (isolation brown), white (isolation black)       Amount stands (wire)     84       Diameter of single wires     0.15 mm²       Conductor type (wire)	Cable identification	961
Jacket Golor gray Type of Certificate CURus Amount stranding 1 Stranding Swires around Filler twisted Filler ys was wire arrangement groen-yelow, blue 2, black 1, white 4, brown 3 Cable weigh 129,8 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket PUR Shore hardness jacket 90 15 Shore A Freedom from ingredients (gacket) lead-free, carinum-free, CFC-free, halogen-free, silicone-free Outer-diameter (gacket) 5 Outer diameter (gacket) 5 Culter diameter (gacket) 5 Shore hardness wire insulation PP Amount wires 5 Outer diameter (gacket) 1 Tolerance outer insulation 2,3 mm Colerance outer insulation 1 Freedom free insulation 0 Cut diameter insulation 1 Fore bardness wire insulation 1 Fore hardness wire insulation 1 Finding Corr of wire insulation 1 Conductor crosssection (wire) 8 Conductor crosssection (wire) 5 Conductor wire Strander Copper wire, bare Conductor vise Citataks 1 Strander Copper wire, bare Conductor vise Citataks 1 Strander Copper wire, bare Conductor wire Citataks 1 Strander Copper wire, bare Conductor wire Citataks 1 Strander Copper wire, bare Conductor wire Citataks 1 Strander Copper wire, bare Conductor vise (Citataks 1 Strander Copper wire, bare Conductor wire Citataks 1 Strander Copper wire, bare Conductor wire Citataks 1 Strander Copper wire, bare Conductor vise (Citatak 1 Strander Copper wire, bare Conductor vise (Citatak 2 Strander Citatak 1 Strander Copper Vise (Vise) 1 S	Cable Type	3
Type of Certificate     cUFus       Arnout stranding     1       Stranding     5 wres around Filler twisted       Filler     yes       wire arrangement     green-yelow, blue 2, black 1, white 4, brown 3       Cable weigh     128,8 g/m       Material packet     90 ± 5 Shore A       Freedom from ingredients (jacket)     Ised-Hee, cadmium-free, CFC-Iree, halogen-free, silicone-free       Outer-diameter (jacket)     8 mm       Tolerance und cameter (reheath)     5 %       Material wire insulation     PP       Arnount wires     5       Outer diameter insulation     2,3 mm       Outer diameter insulation     2,3 mm       Outer diameter insulation     6.0 ± 5 Shore D       Ingredient freeness wire insulation     6.0 ± 5 Shore D       Ingredient freeness wire insulation     6.0 ± 5 Shore D       Ingredient freeness wire insulation     black (white isolation) blue), white (isolation brown), white (isolation black)       Armount stranding (wire)     B4       Diameter of single wires     0,15 mm <sup>2</sup> Canductor vires (wire)     1,5 mm <sup>2</sup> Canductor vire (sublach opper wire, bare     Canductor	Printing color of wire insulation	black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)
Amount standing     1       Stranding     5 wres around Filer twisted       Filer     yes       wire arrangement     green-yelow, blue 2, black 1, white 4, brown 3       Cable weigh     129,8 g/m       Material jacket     PUR       Shore hardness jacket     90.1 5 Shore A       Freedom from ingredients (jacket)     8 mm       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     2 5 %       Material jacket     5       Outer diameter insulation     PP       Amount wines     5       Outer diameter insulation     6 1 5 Shore D       Fireidom free insulation     6 2 5 Shore D       Ingredient teeness wire insulation     6 1 5 Shore D       Fireidong core insulation     6 2 5 Shore D       Ingredient teeness wire insulation     Back (white isolation), white (solation brown), white (solation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor or weight weigh weig	Jacket Color	gray
Stranding     5 wires around Filler twisted       Filer     yes       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       Cable weigth     129,8 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)     8 mm       Tolerance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Amount wires     5       Outer diameter tinevalation     2.3 mm       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     black (white isolation), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Damater of single wires     0.15 mm       Conductor crosssection (wire)     1.5 mm²       Material conductor wire     Stranded copper wire, bare       Conductor by (wire)     strande class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal Voltago AC max.     1	Type of Certificate	cURus
Filler     yes       wire arrangement     green-yellow, blue 2, black 1, white 4, brown 3       Cable weight     128 g /m       Material jacket     PUR       Shore hardness jacket     90.5 5 Shore A       Freedom from ingredients (jacket)     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter tolerance core insulation     2.3 mm       Quer diameter tolerance core insulation     61 ± 5 Shore D       Ingredient freeness wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing ootr of wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing ootr of wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing ootr of wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing ootr of wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Material conductor wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing ootr of wire	Amount stranding	1
wire arrangement     green-yellow, blue 2, black 1, while 4, brown 3       Cable weight     125,8 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)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Material jacket     PP       Amount wires     5       Outer diameter insulation     2,3 mm       Outer diameter insulation     2,3 mm       Outer diameter insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     16ad-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation black)       Amount strands (wire)     84       Diameter of siligo wires     0,15 mm       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage (inter - int)     10 NV VDE 0298-4       Current load capacity (strindard)     to DIN VDE 0298-4       Current load capacity (strindard)     to DIN VDE 0298-4<	Stranding	5 wires around Filler twisted
Cable weight 129,8 g/m   Material jacket PUR   Shore hardness jacket 99 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 8 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Arnourt wires 5   Outer diameter tolerance core insulation 2,3 mm   Outer diameter tolerance core insulation 60 ± 5 Shore D   Ingredient freeness wire insulation 16 5 %   Shore hardness wire insulation 16 5 %   Shore hardness wire insulation 16 ± 5 %   Material wire insulation 18 4 %   Diameter of single wires 0,15 mm   Conductor crossection (wire) 15 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor vire (C-track) 5 m @ 25 °C   Nominal voitage Admax 1000 V   Current load capacity (standard) to DN VDE 0296-4   Current load capacity (standard) to DN VDE 0296-4   Current load capacity (standard) to DN VDE 029 °C   Ac withstand voitage (wire - wire) 10 kV @ 60 s   Power frequency withstand voitage (wire - wire) 10 kV @ 60 s   Power frequency withstand voitage (wire - wire) <td>Filler</td> <td>yes</td>	Filler	yes
Cable weight 129,8 g/m   Material jacket PUR   Shore hardness jacket 99 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 8 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PP   Arnourt wires 5   Outer diameter tolerance core insulation 2,3 mm   Outer diameter tolerance core insulation 60 ± 5 Shore D   Ingredient freeness wire insulation 16 5 %   Shore hardness wire insulation 16 5 %   Shore hardness wire insulation 16 ± 5 %   Material wire insulation 18 4 %   Diameter of single wires 0,15 mm   Conductor crossection (wire) 15 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor vire (C-track) 5 m @ 25 °C   Nominal voitage Admax 1000 V   Current load capacity (standard) to DN VDE 0296-4   Current load capacity (standard) to DN VDE 0296-4   Current load capacity (standard) to DN VDE 029 °C   Ac withstand voitage (wire - wire) 10 kV @ 60 s   Power frequency withstand voitage (wire - wire) 10 kV @ 60 s   Power frequency withstand voitage (wire - wire) <td>wire arrangement</td> <td></td>	wire arrangement	
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     8 mm       Tolerance outer diameter (schesth)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter risulation     2.3 mm       Outer diameter insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Nount strands (wire)     84       Dameter of single wires     0.15 mm       Conductor crosssection (wire)     1.5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 8       Traversing distance (C-track)     5 m @ 25 °C       Nominal vortage AC max.     1000 V </td <td></td> <td></td>		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredents (jacket)     lead.Free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (sheath)     ± 5 %       Matorial wre insulation     PP       Amount wires     5       Outer diameter insulation     2.3 mm       Outer diameter lolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     16a ± 5 %       Printing color of wire insulation     16a ± 5 %       Printing color of wire insulation     16a ± 5 %       Diameter of single wires     0.15 mm       Conductor rossection (wire)     1.5 mm <sup>2</sup> Conductor type (wire)     strand clase 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (strandwrd)     tb DIN VDE 0298-4       Current load capacity (strandwrd)     tb DIN VDE 0298-4       Current load capacity (strandwrd)     tb DIN VDE 0298-4       Current load capacity (strandwrd)     tb OIN VDE 0298-4       Cartitstand volta	Material jacket	
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     8 mm       Tolerance outer diameter (jacket)     2 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter insulation     2.3 mm       Outer diameter insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Printing color of wire insulation     black (white isolation) white (isolation blue), white (isolation black)       Amount stands (wire)     84       Diameter ot single wires     0,15 mm       Conductor crossection (wire)     1.5 mm <sup>9</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity min. wire     13.3 L/km @ 20 °C       AC withstand voltage (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - wire)     10 kV @ 60 s       Min. operating temperature (min. (dynamic)     -25 °C       Operating temperature (s		
Outer-diameter (jacket)     8 mm       Tolerance outer diameter (shealt)     ± 5 %       Material wire insulation     PP       Amount wires     5       Outer diameter folerance core insulation     2,3 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     black (white isolation), white (isolation blue), white (isolation black)       Amount wires     0.15 mm       Conductor crosssection (wire)     1,5 mm²       Material conductor wire     Stranded copper wire, bare       Conductor lype (wire)     strand class 6       Traversing distance (C-track)     5 m@ 25 °C       Nominal voltage AC max.     1000 V       Current toad capacity (standard)     to DIN VDE 0298-4       Current toad capacity (wire)     13,5 A       Electrical resistance line constant wire     13,5 A       Electrical resistance line constant wire     13,3 Ω/km @ 20 °C       AC withstand voltage (wire -     10 kV @ 60 s       Power frequency withstand voltage (wire -     10 kV @ 60 s <t< td=""><td>-</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></t<>	-	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   5     Outer diameter insulation   2,3 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   60 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Printing color of wire insulation   black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)     Amount strands (wire)   84     Diameter of single wires   0.15 mm     Conductor crossection (wire)   1,5 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor lype (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity min. wire   13,3 CA Mim @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - wire)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (static)   -60 °C @ 00000 h Operation     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation		
Material wire insulation     PP       Amount wires     5       Outer diameter insulation     2,3 mm       Cuter diameter insulation     ± 5 %       Shore hardness wire insulation     16 5 ± 5 Shore D       Ingredient freeness wire insulation     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor cosssection (wire)     1,5 mm <sup>2</sup> Tarvarsing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to NV @ 60 s       Power frequency withstand voltage (wire - incket)     10 kV @ 60 s       Power frequency withstand voltage (wire - incket)     50 °C 700 °C @ 10000 h Operation       Operating temperature (ind, dynamic)     -25 °C       Min. operating temperature (static)     -50 °C       Ac withstand voltage (wire - incket)     10 kV @ 60 s       Power frequency withstand voltage (wire - incket)     10 kV @ 60 s		
Amount wires   5     Outer diameter insulation   2.3 mm     Outer diameter tolerance core insulation   15 %     Shore hardness wire insulation   60 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Printing color of wire insulation   black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)     Amount strands (wire)   84     Diameter of single wires   0.15 mm     Conductor or sossection (wire)   1.5 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor toge (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Ac withstand voltage (wire -   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation	. ,	
Outer diameter insulation     2.3 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor or wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     13.3 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     82 °C       Grading temperature		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor rosssection (wire)     1,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor twice     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor twice     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity (standard)     to DIN VDE 0298.4       Current load capacity withstand voltage (wire - in)     10 kV @ 60 s       Min. operating temperature (static)     -50 °C       Max. operating temperature (static)     -50 °C		
Shore hardness wire insulation     60 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation blue), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor reassection (wire)     1.5 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - ill as Ω/km @ 20 °C     AC       AC withstand voltage (wire - ill as Q/km @ 60 s     10 kV @ 60 s       Min: operating temperature (static)     -50 °C       Max: operating temperature (static)     -50 °C       Operating temperature min. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dyna		-
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     1,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     13,5 A       Electrical resistance line constant wire     13,3 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - iner)     10 kV @ 60 s       Min. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (mid, dynamic)     25 °C       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       Operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       O		
Printing color of wire insulation     black (white isolation), white (isolation blue), white (isolation brown), white (isolation black)       Amount strands (wire)     84       Diameter of single wires     0.15 mm       Conductor crosssection (wire)     1,5 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     5 m @ 25 °C       Nominal voltage AC max.     1000 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - wire)     10 kV @ 60 s       Power frequency withstand voltage (wire - ijacket)     -50 °C       Max. operating temperature (static)     -50 °C       Max. operating temperature (static)     -25 °C       Operating temperature max. (dynamic)     20 °C AC       Querating temperature fixed     80 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     -50 °C       Max. operating temperature fixed     80 °C / 90 °C @ 10000 h Operation       Operating temperature fixed     60 od, application-related testing       Gasoline resistance     Good, a		
Amount strands (wire)84Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)10 kV @ 60 sMax. operating temperature (static)-50 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (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, applicati		
Diameter of single wires0,15 mmConductor crosssection (wire)1,5 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °CNominal voltage AC max.1000 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 (wire - wire)13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kV @ 60 sPower frequency withstand voltage (wire - jacket)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature (mire)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameter	-	
Conductor crosssection (wire)   1,5 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 $\Omega/\text{km}$ @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Generating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     Gasoline resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     Chemical resistance   Good, application-related testing     Gasol		
Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -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 <td></td> <td>•</td>		•
Conductor type (wire)   strand class 6     Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (static)   -50 °C     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     Gil resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing		1-
Traversing distance (C-track)   5 m @ 25 °C     Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   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)   7,5 x Outer diameter		
Nominal voltage AC max.   1000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (isted)   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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire13,5 AElectrical resistance line constant wire13,3 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kV @ 60 sPower frequency withstand voltage (wire - jacket)10 kV @ 60 sMin. operating temperature (static)-50 °CMax. operating temperature (static)-50 °COperating 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 (dynamic)10 x Outer diameter		
Current load capacity min. wire   13,5 A     Electrical resistance line constant wire   13,3 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Flame resistance   UL 1581 § 1100 FT2   IEC 6032-2-2   UL 1581 § 1090     chemical resistance   Good, application-related testing     Gasoline 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	-	
Electrical resistance line constant wire13,3 Ω/km @ 20 °CAC withstand voltage (wire - wire)10 kV @ 60 sPower frequency withstand voltage (wire - jacket)10 kV @ 60 sMin. operating temperature (static)-50 °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)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameter		
AC withstand voltage (wire - wire)   10 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   10 kV @ 60 s     Min. operating temperature (static)   -50 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
Power frequency withstand voltage (wire - jacket)10 kV @ 60 sMin. operating temperature (static)-50 °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 resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameter		
jacket)ID KV @ 60 SMin. operating temperature (static)-50 °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 resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)7,5 x Outer diameterBending radius (dynamic)10 x Outer diameter		
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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter	jacket)	-
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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter		
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)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   7,5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter	Flame resistance	
Oil resistance DIN EN 60811-404   Good, application-related testing   Bending radius (fixed) 7,5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 7,5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter	Oil resistance	DIN EN 60811-404   Good, application-related testing
	Bending radius (fixed)	7,5 x Outer diameter
Travel speed (C-track) 5 Mio. @ 25 °C	Bending radius (dynamic)	10 x Outer diameter
	Travel speed (C-track)	5 Mio. @ 25 °C

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17

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No. of torsion cycles

2 Mio.

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

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