

## M12 male 0° A-cod. with cable

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

Male straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

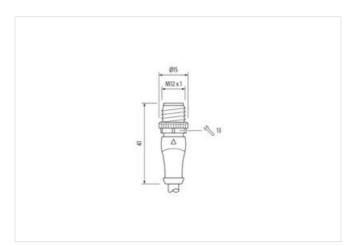
## Link to Product

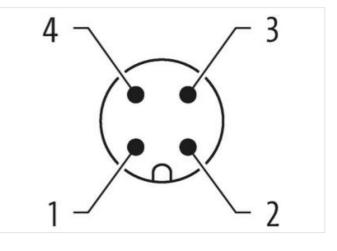
Illustration











Product may differ from Image



Cable length	4 m		
Side 1			
Tightening torque	0,6 Nm		

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: 2024-05-20

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Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
	07070040
ECLASS-6.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-8.0 ECLASS-9.0	27279218
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	27060311 27060311
ECLASS-11.1 ECLASS-12.0	
ECLASS-12.0 ETIM-5.0	27060311 EC001855
customs tariff number	85444290
GTIN	4048879217767
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV
Material group (IEC 60664-1)	_,
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
	DIN EN 61076-2-101 (M12)
Product standard	

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Cable Ingeneration     634       Cable Type     9       Jacket Color     black       Type of Certificate     cDNss       Amount stramforg     1       Stranfing     4 wires average       wire arrangement     block, bloc, bl	wire arrangement	brown, black, blue, white
Jacket Colar     black       Type of Certificate     CURus       Amount standing     1       Stranding     4 wires twisted       wire arrangement     brown, black blue, while       Cable weigh     36.3 µm       Matterial jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     PUR       Outer diamoter (stacket)     1.8 of Xee, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diamoter (stacket)     4.5 mm       Tolerance outer diamoter (stacket)     2.5 %.       Material wire insulation     1.25 mn       Outer diamoter insulation     1.25 mn       Outer diamoter (stacket)     1.25 %.       Shore hardness wire insulation     1.25 Shore D       Ingredient freeness wire insulation     1.25 Nm       Outer diamoter of insulation     1.25 Nm       Conductor rossection (wire)     0.34 mm²       Material origin wires     4.       Conductor rossection (wire)     0.34 mm²       Material single wires     0.10 NUVD C2894       Conductor rossection (wire)     0.34 mm²       Conductor wire <td>Cable identification</td> <td>634</td>	Cable identification	634
Type of Certificate     cURus       Armount stranding     1       Stranding     4 wices twisted       wire arrangement     brown, black, blue, white       Cable weigh     58.3 gm       Material jackat     PUR       Strone Marchess jackat     90.5 Shore A       Freedom from ingedients (jacket)     16.4 free, communifice, CFC-free, halogen-free, silicone-free       Outer diameter (jackat)     4.5 mm       Tolerance outer diameter (silicalit)     ± 5 %       Arterial wire insulation     125 mm       Outer diameter insulation     1.5 fr.m       Outer diameter insulation     1.6 %       Shore harchess wire insulation     1.6 % %       Shore harchess wire insulation     1.6 % %       Concurd diameter formance core insulation     1.6 % %       Shore harchess wire insulation     1.6 % %       Concurd diameter insulation     1.6 % %       Shore harchess wire insulation     1.6 % %       Consult strands (wire)     0.34 mm?       Consult strands (wire)     0.34 mm?       Consult strands (wire)     0.34 mm?       Constactor type (wire)     stranded copper wire	Cable Type	3
Amount stranding 1   Stranding 4 wires kinated   wire arrangement brown, black, blue, white   Cable weight 96.3 g/m   Material jackott PUR   Stranding (ask)   Dison handness jacket 90.4 5 Shore A   Freedom from ingredients (glacket) lead-free, cadmum-free, CPC-free, halogen-free, silicone-free   Outer diameter (glacket) 2.5 %   Material wire insulation PP   Amount wires 4   Outer diameter insulation 1.25 mm   Outer diameter to insulation 1.25 from   Outer diameter to insulation 1.25 from   Outer diameter to insulation 1.25 Shore D   Ingredient feorenses wire insulation 1.26 Shore D   Ingredient feorenses wire insulation 1.26 Shore D   Ingredient feorenses wire insulation 1.25 Shore D   Ingredient feorenses wire insulation 1.26 Shore D   Ingredient feorenses wire insulation 1.26 Shore D   Ingredient feorenses wire insulation 1.27 CM   Admentation strate 0.1 mm   Conductor cosseedion (wi	Jacket Color	black
Stranding     4 wires itwisted       wire arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Matorial jacket     PUR       Shore handness jacket     90.1 5 Shore A       Freedom from ingredients (jacket)     16.4 stree, cadmium free, CFC free, halogen-free, silicone-free       Outer diameter (gacket)     4.5 mm       Tolerance outer diameter (sheath)     5 5 %       Amount wires     4       Outer diameter insulation     125 mm       Outer diameter insulation     125 mm       Outer diameter insulation     70.4 5 Shore D       Ingredient Tolenase wire insulation     125 mm       Outer diameter site insulation     126 mm       Outer diameter insulation     126 mm       Outer diameter site insulation     128 mm       Outer diameter site insulation     128 mm       Outer diameter wire insulation     128 mm       Outer diameter insulation     128 mm       Outer diameter wires wire insulation     142       Diameter of single wires     0,1 nm       Conductor type (wire)     strand dess 6       Outer diameter wires wire insulation	Type of Certificate	cURus
wire arrangement     brown, black, blue, white       Cable weight     36.3 g/m       Maticial jacket     PUR       Shore hardness jacket     90.5 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Toferance outer diameter (loeketh)     1.5 %       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70.4 5 Shore D       Ingredient freemess wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 %       Diameter of single wires     0.1 mm       Conductor views     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded case 6       Normal 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 (withstand voltage (wire wire)     2.5 kV @ 60 s	Amount stranding	1
Cable weight     36,3 g/m       Material jacket     PUR       Shore hardness jaket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (shealth)     ± 5 %       Material diameter (sublation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor crosssection (wire)     0.44 mm <sup>2</sup> Conductor vires     Stranded copper wire, baire       Outer diameter of splane wires     0.1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire (wire)     0.34 mm <sup>2</sup> Carrent load capacity rinits, wire     4.8 A	Stranding	4 wires twisted
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, calilizone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (jacket)     4,5 mm       Tolerance outer diameter (jacket)     4,5 mm       Material Wire Insulation     PP       Armount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,24 mm       Mount stands (wire)     42       Diameter of single wires     0,1 mm       Conductor rossection (wire)     0,34 mm <sup>2</sup> Conductor type (wire)     Starad 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	wire arrangement	brown, black, blue, white
Shore hardness jackel     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free. cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolarance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter tolerance ocere insulation     1.25 mm       Outer diameter tolerance ocere insulation     1.24 mm       Ingredient freeness wire insulation     1.24 mm       Conductor rows wire insulation     1.24 mm       Conductor roy free (wire)     0.34 mm <sup>2</sup> Conductor roy free (wire)     0.34 mm <sup>2</sup> Conductor roy free (wire)     0.47 mm <sup>2</sup> Conductor ry free (wire)     0.48 mm       Conductor ry free (wire)     0.48 mm       Conductor ry free (wire)     2.5 kV Ø 60 s       Conductor ry free (wire)     2.5 kV Ø 60 s       Power frequency withstand voltage (wire - gaschy min. wire     2.5 kV Ø 60 s       P	Cable weigth	36,3 g/m
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     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   164 free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0.11 mm     Conductor or cossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor or cossection (wire)   0.34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor or cossection (wire)   0.54 mm²     Carrent load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0290 °C     Act witstand voltage (wire - wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2.5 kV @ 60 s     Min. operat	Material jacket	PUR
Outer-diameter (acket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (statation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     ie 5 %       Shore hardness wire insulation     iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.1 mm       Conductor cossection (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 (strandard)     to DIN VDE 0289-4       Max operating temperature max. (dynamic)     2.5 KV Ø 60 s       Min.	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Anount wires     4       Outer diameter insulation     1.25 mm       Outer diameter folerance core insulation     1.5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient treeness wire insulation     16ad 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>4</sup> Material conductor wire     Stranded copper wire, bare       Conductor rosssection (wire)     0.34 mm <sup>4</sup> Mominal voitage AC max.     300 V       Current load capacity (stinadard)     to DIN VDE 0298-4       Current load capacity (stinadard)     to DIN VDE 0298-4       Current load capacity (wire)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Ac withstand voitage (wire - wire)     2,5 kV @ 60 s       Mix. operating temperature (fixed)     60 °C / 90 °C @ 10000 h Operation       Operating temperature (static)     -40 °C       Hane resistance     DiN EN ISO 4882-2 A <td< td=""><td>Freedom from ingredients (jacket)</td><td>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</td></td<>	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amourt Wries     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     125 mm       Outer diameter (view)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0.34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     4.8 A       Electrical resistance line constant wire     57 Okm @ 20 °C       AC withstand voltage (wire - vire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - vire)     2.5 kV @ 60 s       Iackot)     40 °C       Max. operating temperature (static)     40 °C       Ver resistance     DIN EN ISC 4892-2 A       Flame resistance     UL 1581 § 1000 I POP action       UV resistance     Good, application-related testing       Oil resistance     Good, application-related testing       Oil resist	Outer-diameter (jacket)	4,5 mm
Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, 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.   000 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (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)   -40 °C     Operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor osseschion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor osseschion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor osseschion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor osseschion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor osseschion (wire)     0,34 mm²       Austing towlage (wire -wire)     2,5 kV @ 60 s       Current load capacity trian wire     4,8 A       Electrical resistance     inc operating temperature (fixed)       Ado °C     Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance <td>Material wire insulation</td> <td>PP</td>	Material wire insulation	PP
Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor vossection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor (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)2,5 kV @ 60 sPower frequency withstand voltage (wire - stand voltage (wire - stacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - stacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax operature generature (static)-40 °COperating temperature (static)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingO	Amount wires	4
Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rossection (wire)   0,34 mm <sup>2</sup> 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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4882-2 A     Flame resistance   G	Outer diameter insulation	1,25 mm
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 rossection (wire)   0,34 mm <sup>2</sup> 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)   57 Ωkm @ 20 °C     AC withstand voltage (wire - wire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - site)   2.5 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   Good, application-related tes	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     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)   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 min. (dynamic)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (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     Gasoline resistance   Good, application-related testing     Galier esistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x	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)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - incomparity emperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (mix. (dynamic))   -25 °C     Operating temperature fixe, dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   D	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor 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 - jacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGold resistanceGood, application-related testingGold application-related testing5 x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver sign distance (C-track)10 Mio. @ 25 °CNo. of bending cycles2 Mio.Traver sign distance (C-track)10 Mio. @ 25 °C	Amount strands (wire)	42
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 - is for Q/km @ 20 °C     AC withstand voltage (wire - wire)       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - is for Q °C     AC with stand voltage (wire - wire)       Ac with stand voltage (wire - wire)     2,5 kV @ 60 s       Min: operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature max. (dynamic)     25 °C       Operating temperature max. (dynamic)     25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       UV resistance     UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2       Chemical resistance     Good, application-related testing       Oil resistance     Good, application-related testing   DIN EN 60811-404 </td <td>Diameter of single wires</td> <td>0,1 mm</td>	Diameter of single wires	0,1 mm
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)   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     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     Oil resistance   Good, applicati	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 (2/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2.5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (isted)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 60332-22-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire $57 \Omega/km @ 20 °C$ 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 °CMax. operating temperature (fixed) $80 °C / 90 °C @ 10000 h Operation$ Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic) $80 °C / 90 °C @ 10000 h Operation$ UV resistanceDIN EN ISO 4892-2 AFlame resistanceLL 1581 § 1000 JEC 60332-2-2 J UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraver speed (C-tra	Conductor type (wire)	strand class 6
Current load capacity min. wire   4.8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - intervention of the second o	Nominal voltage AC max.	300 V
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 (static)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   UL 1581 § 1090   EC 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     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Traversing distance (C-track)   3 m/s @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	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)   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     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     No. of bending cycles (C-track)   10 m @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C     Traversing distance (C-track)   3 m/s @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Current load capacity min. wire	4,8 A
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     Oil resistance   Good, application-related testing     Oil resistance   Good, application-related testing     No. of 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     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)   2.5 kV @ b0 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     Dix N Cuter diameter   Bending radius (fixed)     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     Travel speed (C-track)   3	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 radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating 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 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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating 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 testingDin resistanceGood, application-related testingOil resistanceGood, application-related testingDin resistanceGood, application-related testingDin resistanceGood, application-related testingDin gradius (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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
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 testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 °C
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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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline 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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil 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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	chemical resistance	Good, application-related testing
Bending 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   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (fixed)	5 x Outer diameter
Traversing distance (C-track)   10 m @ 25 °C   horizontal     Travel speed (C-track)   3 m/s @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Bending radius (dynamic)	
Travel speed (C-track)3 m/s @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	No. of bending cycles (C-track)	10 Mio. @ 25 °C
No. of torsion cycles 2 Mio.   Torsion stress ± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Torsion stress ± 180 °/m	Travel speed (C-track)	3 m/s @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-20

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