

## M12 male 0° A-cod. with cable

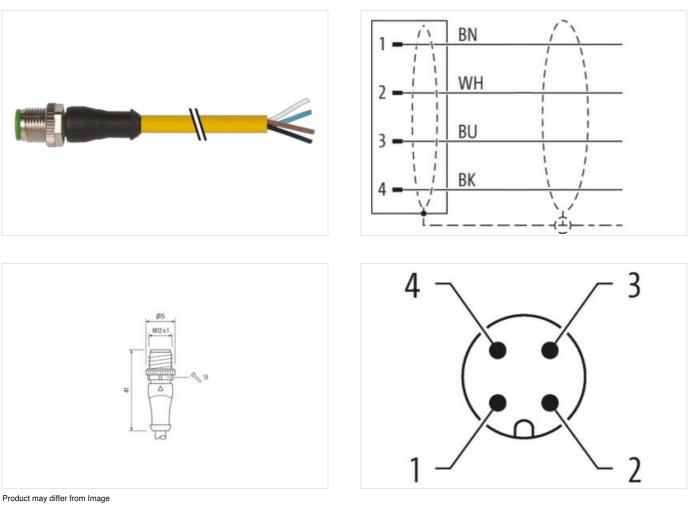
PUR 4x0.34 ye UL/CSA 3m

## **▲ NOTICE ▲** PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Male straight M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request without 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





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: 2024-06-26 Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Cable length	3 m
Side 1	
	0.6 Nm
Tightening torque Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
No. of poles	4
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
	20 mm
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4065909024706
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
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
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
Material housing	PUR
Locking material	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

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Additional condition temperature range

Conformity

depending on cable quality

Stranding   3 wires twisted     Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pirk, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigh   44 g/m     Material jacket   TPE-S     Shore hardness jacket   47 ± 5 Shore D     Freedom from ingredients (jacket)   6 mm     Tolerance outer diameter (jacket)   6 mm     Tolerance outer diameter (isoket)   1 5 %     Amount stranding (wire)   1 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1 mm     Outer diameter insulation   6 ± 3 Shore D     Ingredient freeness wire insulation   6 ± 3 Shore D     Ingredient freeness wire insulation   1 B     Diameter of single wires   0.1 mm     Conductor crossection (wire)   0.14 mm²     Material conductor wire   Stranded copper wire, bare     Conductor vires (C+rack)   10 m @ 25 °C   horizontal     Traversing distance (L+rack)   10 m @ 25 °C   horizontal	Conformity	
Cable identification282Jacket ColorblueAnount stranding1Stranding3 wires twistedAnount stranding (type 2)1Stranding (type 2)9 wires around Stranding combination twistedBandingFleecewire arrangementgray pink, wiolet, red blue, brown, red, gray, black, yellow, pink, green, while, blueCable weigh44 g/mMaterial jacketTPE-SStroke hardness jacket47 ± 5 Shore DFreecom trom ingredenits (jacket)6 mmTolerance surf direnter (jacket)6 mmTolerance surf direnter (jacket)6 mmOuter -diameter (jacket)1 mmOuter -diameter (jacket)1 mmOuter -diameter (jacket)1 mmOuter diameter (instalation1 mmOuter diameter insulation1 5 %Shore hardness wire insulation4 ± 3 Shore DParreter insulation1 mmOuter diameter insulation1 mmConductor yee wire insulation1 mmConductor verge wire insulation1 mm </td <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td>	Product standard	DIN EN 61076-2-101 (M12)
Jacket Color     blue       Amount stranding     1       Stranding     3 wires twisted       Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     gray-pink, violet, rob blue, brown, rod, gray, black, yellow, pink, green, white, blue       Cable weigh     44 d/m       Material jackot     TPE-S       Shore hardness jacket     47 1 5 Shore D       Freedom from rogadents (jackot)     lead, exc, eachium free, CFC-free, halogen-free, silicone-free       Outer diameter (gacket)     6 mm       Tolerance outer diameter (shealth)     1 5 %       Annout wires     12       Outer diameter isolation     1 mm       Outer diameter swire insulation     1 mm       Outer diameter swire insulation     1 4 3 % Shore D       Ingredient treeness wire insulation     1 4 4 3 % Shore D       Ingredient treeness wire insulation     1 4 mo <sup>*</sup> Material ordinater (wire)     1 4 mm <sup>*</sup> Material conductor wire     Stranded coper wire, bare       Conductor byter (wire)     1 1 mm <sup>*</sup>	Installation   Cable	
Amount stranding     1       Stranding     3 wires lwisted       Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Fleece       wire arrangement     graypink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable wolgh     44 9 dm       Matarial jackat     TPE-S       Shore hardiness jackat     47 2 5 Shore D       Freedom from ingredients (galaxket)     lead-free, carnium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (galaxket)     6 m       Tolarano outer diameter (sheath)     1 5 %       Material wire insulation     PP       Anount wires     12       Outer diameter insulation     1 4 3 Shore D       Tore and cases wire insulation     64 3 Shore D       Tore and cases wire insulation     64 4 3 Shore D       Danater of single wires     0,1 mm       Conductor rows environs     8       Danater of single wires     0,1 mm       Conductor row (wire)     1,1 mm <sup>2</sup> Conductor row (wire)     1,1 mm <sup>2</sup> Conductor wire <t< td=""><td>Cable identification</td><td>282</td></t<>	Cable identification	282
Stranding   3 wires Iwisted     Amount stranding (type 2)   1     Stranding (type 2)   9 wires around Stranding combination twisted     Banding   Fleece     wire arrangement   gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue     Cable weigh   44 g/m     Material jacket   TPE-S     Shore hardness jacket   47 ± 5 Shore D     Freedom from ingredients (jacket)   6 mm     Outer-diameter (jacket)   6 mm     Tolerance outer diameter (iscket)   6 mm     Outer-diameter (jacket)   6 mm     Amount wires   12     Outer diameter insulation   PP     Amount wires   12     Outer diameter insulation   1 mm     Outer diameter insulation   1 mm     Conduct crossection (wire)   1 8     Diameter of singling wires   0.1 mm     Conduct crossection (wire)   0.14 mm²     Material conductor wire   Strand doss 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Traversing distance (C-track)   10 m @ 25 °C     Nominal voltage (C-track)   4 Me. @ 25 °C <t< td=""><td>Jacket Color</td><td>blue</td></t<>	Jacket Color	blue
Amount stranding (type 2)     1       Stranding (type 2)     9 wires around Stranding combination twisted       Banding     Filesce       wire arrangement     gray-pink, wiolet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigh     44 g/m       Material jacket     TPE-S       Shore hardness jacket     47 ± 8 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6 mm       Tolerance outer diameter (scheath)     5 %       Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1 mm       Outer diameter insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     64 ± 3 Shore D       Diameter of single wires     0,1 mm       Conductor ordeness wire insulation     14 ± 8 Shore D       Ingredient freeness wire insulation     14 ± 8 Shore D       Ingredient freeness wire insulation     14 ± 8 Shore D       Ingredien treeness wire insulation     14 ± 8 Shore D       Ingredient freeness wire insulation     14 ± 8 Shore D       Ing	Amount stranding	1
Stranding (type 2) 9 wires around Stranding combination twisted   Banding Fiesce   wires aroungment gray-pink, Volder, red-blue, brown, red, gray, black, yellow, pink, green, white, blue   Cable weigth 44 g/m   Material jacket TPE-S   Shore hardness jacket 47 z 5 Shore D   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 6 mm   Tolerance outer diameter (sheath) 5 %   Material wire insulation PP   Annourt wires 12   Outer diameter insulation 1 mm   Outer diameter insulation 44 3 Shore D   Ingredient freeness wire insulation 64 3 Shore D   Ingredient freeness wire insulation 64 - 3 Shore D   Ingredient freeness wire insulation 14 mm <sup>2</sup> Conductor drassection (wire) 13   Diameter of single wires 0,1 mm   Conductor wire Stranded coppor wire, bare   Conductor wire Stranded coppor	Stranding	3 wires twisted
Banding     Fleece       wire arrangement     gray-pink. violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weigh     44 g/m       Material jacket     TPE-S       Shore hardness jackat     47.5 Shore D       Freedom from ingredients (jacket!)     6 mm       Outer-diameter (jacket!)     6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter tolerance core insulation     1 mm       Outer diameter tolerance core insulation     4 f 3 Shore D       Ingredient freeness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     1 ed-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,14 mm²       Conductor wire     Stranded cospor wire, bare       Conductor vice (wire)     Stranded cospor wire, bare       Conductor wire     Stranded cospor wire, bare       Conductor wire     Stranded cospor wire, bare       Conductor wire     Strande	Amount stranding (type 2)	1
wire arangement     gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue       Cable weight     44 g/m       Material jacket     TPE-S       Shore hardness jacket     47 ± 5 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PP       Amount wires     12       Outer diameter tolerance core core insulation     1 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Dameter of single wires     0,1 mm       Conductor rossection (wire)     0,14 mm <sup>2</sup> Material conductor wire     Strand class 6       Traversing distance (C+rack)     10 m @ 25 °C (horizontal       Travel speed (C+track)     10 m @ 25 °C (horizontal       Travel speed (C+track)     10 m @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0288-4	Stranding (type 2)	9 wires around Stranding combination twisted
Cable weight   44 g/m     Material jacket   TPE-S     Shore hardness jacket   47 ± 5 Shore D     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   6 mm     Tolerance outer diameter (shealth)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1 mm     Outer diameter insulation   6 ± 3 Shore D     Ingredient freeness wire insulation   64 ± 3 Shore D     Ingredient freeness wire insulation   64 ± 3 Shore D     Ingredient freeness wire insulation   18     Diameter of single wires   0.1 mm     Conductor type (wire)   0.14 mm <sup>2</sup> Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C I horizontal     Traversing distance (C-track)   10 m @ 25 °C     Nominal vordiage 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 (standard)   10	Banding	Fleece
Material jacket     TPE-S       Shore hardness jacket     47 ± 5 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter loblerance core insulation     ± 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     18       Diameter of single wires     0.1 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Strand copper wire, bare       Conductor wire     Strand copper wire, bare       Conductor wire     Strand coss 6       Traversing distance (C-track)     10 m @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (min, wire     2 A       Electrical resistance line constant wire     139 Q/km @ 20 °C       AC withstand voltage (wire - wire)     3 k	wire arrangement	gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue
Shore hardness jacket     47 ± 5 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1 mm       Outer diameter insulation     6 ± 3 Shore D       Ingredient freeness wire insulation     6 ± 4 3 Shore D       Ingredient freeness wire insulation     18       Diameter of single wires     0.1 mm       Conductor crosseetion (wire)     0.14 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vige (wire)     strand class 6       Traversing distance (C-rack)     10 m @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Curent load capa	Cable weigth	44 g/m
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material Wire Insulation     PP       Amount wires     12       Outer diameter insulation     1 mm       Outer diameter insulation     ± 6 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor rorssection (wire)     0,14 mm²       Material onductor wire     Strande copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity min, wire     2 A       Electrical resistance line constant wire     139 Ω/km @ 20 °C       AG witstand voltage (wire - wire)     3 KV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     105 °C       Coperating t	Material jacket	TPE-S
Outer-diameter (jacket)     6 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,14 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Traversing temperature (stack)     4 Mio. @ 26 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire)     3 kV @ 60 s       Min. operating temperature (stack)     40 °C       Max operating temperature (stack)     105 °C       Operating temperature (stack)     <	Shore hardness jacket	47 ± 5 Shore D
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   12     Outer diameter insulation   1 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   64 ± 3 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   18     Diameter of single wires   0,1 mm     Conductor wire   Stranded copper wire, bare     Conductor wire   Stranded copper wire, bare     Conductor wire (wire)   14 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Traver speed (C-track)   4 Mio. @ 25 °C     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     12       Outer diameter insulation     1 mm       Outer diameter insulation     ± 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor rowssection (wire)     0,14 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Travel speed (C-track)     10 mQ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     2 A       Electrica	Outer-diameter (jacket)	6 mm
Amount wires12Outer diameter insulation1 mmOuter diameter locance core insulation± 5 %Shore hardness wire insulation64 ± 3 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)18Diameter of single wires0,1 mmConductor cossection (wire)0,14 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to IN VDE 0298-4Current load capacity (standard)10b VDE 0298-4Current load capacity (standard)10b °C CMaterial reperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature (static)105 °COperating temperature (static)60 cd.Fiame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testing IDN EN 60811	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation     1 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,14 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande close 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Travel speed (C-track)     4 Mio. @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to IN VE 0298-4       Current load capacity (standard)     to S° C       Ac withstand voltage (wire - wire)     3 kV @ 60 s       Min. operating temperature (fixed)     <	Material wire insulation	PP
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor rowssection (wire)     0,14 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Traversing distance (C-track)     4 Mio. @ 25 °C       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)     3 kV @ 60 s       Min. operating temperature (static)     -40 °C       Ac withstand voltage (wire - wire)     3 kV @ 60 s       Min. operating temperature (static)     -40 °C       Operating temperature (mixed)     105 °C	Amount wires	12
Shore hardness wire insulation     64 ± 3 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     18       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,14 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Travel speed (C-track)     4 Mio. @ 25 °C       Nominal voltage AC max.     300 V       Current load capacity (standard)     to IN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (min. wire     2 A       Electrical resistance line constant wire     139 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     3 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (static)     -25 °C <td>Outer diameter insulation</td> <td>1 mm</td>	Outer diameter insulation	1 mm
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)18Diameter of single wires0,1 mmConductor crosssection (wire)0,14 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)105 °COperating temperature (fixed)105 °COperating temperature (fixed)105 °CCirrent lace sistanceGood, application-related testingOperating temperature (fixed)105 °COperating temperature (fixed)105 °COperating temperature (fixed)105 °COperating temperature (fixed)105 °CCirrent lace capacity (application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (fixed)5 × Outer diameter <td>Outer diameter tolerance core insulation</td> <td>±5%</td>	Outer diameter tolerance core insulation	±5%
Amount strands (wire)18Diameter of single wires0,1 mmConductor crosssection (wire)0,14 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent Load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to SIN @ 02 °CAc withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature max	Shore hardness wire insulation	64 ± 3 Shore D
Diameter of single wires0,1 mmConductor crosssection (wire)0,14 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN V@ 0	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)0,14 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire)3 kV @ 60 sElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-25 °C <td>Amount strands (wire)</td> <td>18</td>	Amount strands (wire)	18
Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire139 Q/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CQperating temperature (static)-25 °COperating temperature (min. dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)105 °CFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceG	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2 AElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOuter diameterBending radius (dynamic)Outer diameterS × Outer diameter <td>Conductor crosssection (wire)</td> <td>0,14 mm<sup>2</sup></td>	Conductor crosssection (wire)	0,14 mm <sup>2</sup>
Traversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related	Material conductor wire	Stranded copper wire, bare
Travel speed (C-track)4 Mio. @ 25 °CNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing </td <td>Conductor type (wire)</td> <td>strand class 6</td>	Conductor type (wire)	strand class 6
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceS × Outer diameterBending radius (dynamic)10 × Outer diameter	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire2 AElectrical resistance line constant wire139 Q/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIOS outer diameterBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Travel speed (C-track)	4 Mio. @ 25 °C
Current load capacity min. wire2 AElectrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Nominal voltage AC max.	300 V
Electrical resistance line constant wire139 Ω/km @ 20 °CAC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceIDO Application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIDO Application-related testingIDI N EN 60811-4045 x Outer diameterBending radius (fixed)10 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire)3 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceID × Outer diameterBending radius (fixed)5 × Outer diameter	Current load capacity min. wire	2 A
Min. operating temperature (static)-40 °CMax. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIDN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	Electrical resistance line constant wire	139 Ω/km @ 20 °C
Max. operating temperature (fixed)105 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceIDV EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameter	AC withstand voltage (wire - wire)	3 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline 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 diameterBending radius (dynamic)10 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)105 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   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 diameter	Max. operating temperature (fixed)	105 °C
Flame resistance   IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2     chemical resistance   Good, application-related testing     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	Operating temperature min. (dynamic)	-25 °C
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 diameter	Operating temperature max. (dynamic)	105 °C
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	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   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	chemical resistance	Good, application-related testing
Bending radius (fixed) 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	Good, application-related testing   DIN EN 60811-404
	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.	Bending radius (dynamic)	10 x Outer diameter
	No. of torsion cycles	2 Mio.
Torsion stress ± 180 °/m	Torsion stress	± 180 °/m
Torsion speed 35 cycles/min	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: 2024-06-26

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