

## M12 female 90° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 30m

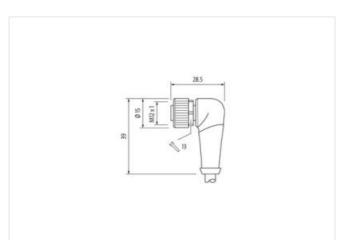
Female 90° M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths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

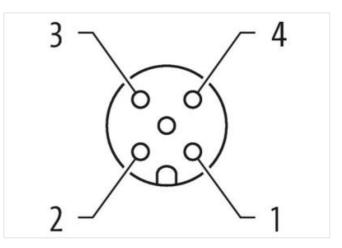
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-19

30 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	Α
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Material contact	Copper alloy
Commercial data	
ECLASS-6.0	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	4048879206389
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	
Stripping length (jacket)	20 mm
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)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
	-25 °C
Operating temperature min.	25 0

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Important isabilition noiss     Protect the connectors by suitable searcing and when isying cables, as the IP protection datas can be observed be detecting underly and when isying cables, as the IP protection datas can be observed bending loces.       Contorning     Image:	Additional condition temperature range	depending on cable quality
Note on bending radius     Attention: Clearen the permissible bending tradii when laying cables, as the IP protection class can be endangared by excessive bending forces.       Contornity     Product standard     DIN EN 1076-2-101 (M12)       Installation I Cable     Installation I Cable     Installation I Cable       wire arrangement     brown, black, blow, white     Cable Type     3       Jacket Color     black     Cable Type     3       Jacket Color     black     Cable Type     Cable Type       Page Of Ontfinetion     64/H     Cable Type     Cable Type       View arrangement     brown, black, blow, white     Cable Type     Cable Type       Cable Toping     3, and the Type of Ontfinetion     4/Here twisted     Cable Type     Cable Type       Cable Marring Isolat     PUR     Store Installation     East twisted     Cable Cable Type     Cable Type       Store Interfores Jacket     92.5 Shore A     Freedom torm Ingreater Statemore     Cable Type       Cable Cable Type     2.5 Shore A     Freedom torm Ingreater Statemore     Cable Type       Cable Cable Type Installation     1.25 mm     Cable Table Type     Cable Table Type	Important installation notes	
Number Name     endengree by excessive bending torses.       Conformity     endengree by excessive bending torses.       Product standard     DIN EN 61076-2-101 (M12)       Instantion (Cable     endengree by excessive bending torses.       Wire arrangement     brown, black, blue, while       Cable distribution     634       Cable Type     3       Standard Color     black       Type of Certificate     culfus       Amount stranding     4       Standard Color     black       Standard Color     place       Standard Color     place       Standard Color     place       Standard Standard Color     place       Standard Color     place       Color director Standard Color     place       Standard Color     place       Standard Color     place       Standard Color     place       Standard Colo	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DN EN 61078-2·101 (M12)       Instantion (Cable       Instantion (Cable)       Cable Identification     634       Cable Identification     634       Cable Identification     634       Cable Identification     048x       Type I Carification     048x       Amount stranding     1       Stranding     4 wires briefed       Stranding     4 wires briefed       Stranding     4 wires briefed       Stranding     9 B     5 Stranding       Out of stranding     9 D + 5 Strane A       Freeson from ingredients (unkert)     9 D + 5 Strane A       Freeson from ingredients (unkert)     4 Stranding       Out of diamoter (unkert)     2 5 %       Cater diamoter (unkert)     2 5 %       Strane hardness wire insulation     70 ± 5 Store D       Diamoter funkerts     8 Stranding     2 5 %       Store hardness wire insulation     1 25 mm       Diamoter funkerts     8 Stranding toppe wire, bare       Conduct strands (wire)     2 5 %       Store hardness wire insulation     1 25 mm	Note on bending radius	
Instiliation (Cable       wire arrangement     brown, black, blue, while       Cable Graphic     54       Cable Graphic     3       Jackel Color     black       Type of Certificate     cJRus       Amount stranding     1       Stranding     4 wires brieted       Water all Jackel Color     black       Stranding     4 wires brieted       Water all Jackel Color     black, blue, while       Cable weight     36.3 gm       Material Jacket     PUR       Strore hardness jacket     POL       Outer diamoter (jacket)     4.5 frave, camium-frae, CFC-free, halogen-free, silicone-free       Outer diamoter (jacket)     4.5 frave, camium-free, CFC-free, halogen-free, silicone-free       Outer diamoter (jacket)     4.5 frave       Amount wires     4       Chard diamoter insulation     PP       Amount wires     4       Chard diamoter insulation     1.5 frave       Stram hardness wire insulation     1.6 frave       Coder diamoter of single wires     0.1 mm       Conductor conseaction (wire)     0.3 fram <sup>2</sup>	Conformity	
wire arrangementbrown, black, blue, whileCable iserimication634Cable Type3Jacket ColorblackType of CertificatecURusAnount stranding1Stranding4 wires livialedWire a rangementbrown, black, blue, whileCable weigh68.3 g/mCable weigh88.3 g/mMaterial jacketPURStranding in the range of the strain	Product standard	DIN EN 61076-2-101 (M12)
wire arrangementbrown, black, blue, whileCable iserimication634Cable Type3Jacket ColorblackType of CertificatecURusAnount stranding1Stranding4 wires livialedWire a rangementbrown, black, blue, whileCable weigh68.3 g/mCable weigh88.3 g/mMaterial jacketPURStranding in the range of the strain		
Cable identification     634       Cable Type     3       Lacket Coor     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, ble, white       Cable weight     58,3 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredents (jacket)     4,4 5mm       Outer -diameter (incket)     4,5 mm       Outer diameter (incket)     4,5 mm       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     7.5 5 Shore D       Ingredient freeness wire insulation     7.5 5 Shore D       Ingredient freeness wire insulation     1.65 %       Material wires     0.4 4       Conductor type (wire)     3.4 mm       Material single wires     0.1 mm       Conductor type (wire)     3.4 mm <sup>2</sup> Conductor type (wire)     3.4 mm <sup>2</sup> Material conducty (standard) <td< td=""><td>•</td><td>brawa black blue white</td></td<>	•	brawa black blue white
Cable Type     3       Jacket Color     black       Type of Certificate     cURus       Arrount stranding     1       Stranding     4 wires twisted       wire arrangement     brow, black, blue, white       Cable weight     36,3 g/m       Material Jacket     PUR       Store hardness jacket     90 ± 5 Shore A       Freedom from ingrodents (jacket)     lead-tree, cadmum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolesmoe nuter diameter (sheath)     1 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     1.26 mm       Conductor crossaction (wire)     0.34 mm?       Material ovolution wire     5 %       Conductor vive (wire)     Strand close 6		
Jacket Color     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Material jacket     PUR       Shore hardness jacket     90.1 S brora A       Freedom from ingrodents (jacket)     lead free, cadmium free, CPC free, halogen free, silicone free       Outer -diameter (jacket)     4.5 mm       Tolerance surf diameter (sheath)     1.5 %       Material wire insulation     PP       Amount strands (wire)     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.42 mm       Conductor corsessetion (wire)     0.1 mm       Conductor troressetion (wire)     0.1 mm       Conductor type (wire)		
Type of Certificate     cUFkus       Amount stranding     1       Stranding     4 wers twisted       Wrie arrangemeint     brown, black, blue, white       Cable weight     36.3 g/m       Material jacket     PUR       Shore hardness jacket     90.4.5 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 (heatmit)     1.5 %       Amount wires     4       Outer diameter (insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 %       Shore hardness wire insulation     1.25 %       Shore hardness wire insulation     1.25 %       Diarderer or single wires     0.1 mm       Conductor twires     0.34 mm²       Material conductor wires     0.1 mm       Conductor traves wire insulation     1.01 NVDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Curent load capacity (standard)     to DIN VD		
Anount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       Cable weigh     36,3 g/m       Matural jackat     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CPC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %.       Material wire insulation     PP       Arnouth wires     4       Outer diameter linesulation     1.25 mm       Outer diameter linesulation     1.62 mm       Togetient freeness wire insulation     lead free, cadmium-free, CPC-free, halogen-free, silicone-free       Amount strands (wire)     0.34 mm²       Conductor prossection (wire)     0.34 mm²       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     0.34 mm²       Conductor programy min. wire     4.8 A       Electrical resistance (n		
Stranding 4 wires twisted   wire arrangement brown, black, blue, while   Cable weight 36.3 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) 4.5 mm   Tolerance outer diameter (jacket) 4.5 mm   Tolerance outer diameter (jacket) 4.5 mm   Tolerance outer diameter (jacket) 4.5 mm   Outer diameter (jacket) 4.5 mm   Outer diameter insulation PP   Amount wires 4   Outer diameter insulation 1.25 mm   Outer diameter insulation 70 ± 5 Shore D   Ingredient teeness wire insulation 70 ± 5 Shore D   Ingredient teeness wire insulation 70 ± 5 Shore D   Ingredient teeness wire insulation 70 ± 5 Shore D   Ingredient teeness wire insulation 70 ± 5 Shore D   Ingredient teeness wire insulation 84   Conductor rossection (wire) 0.34 mm²   Conductor rossection (wire) 81 mm²   Conductor type (wire) strand class 6   Nominal voltage AC max. 300 V   Current load capacity (standard) to DIN VDE E298-4   Current load capacity (standard) to DIN VDE E298-4   Current load capacity (standard) to DIN VDE E298-4		
wire arrangement     brown. black, blue, white       Cable weight     36.3 g/m       Material jacket     PUR       Shore hardness jacket     90.2 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     2.5 %       Material jacket     PP       Amount wice     4       Outer diameter orie insulation     1.25 mm       Outer diameter tolerance core insulation     1.25 mm       Outer diameter tolerance core insulation     1.45 %       Shore hardness wire insulation     1.45 %       Ingredient freeness wire insulation     1.64 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     4.2       Dameter of single wires     0.1 mm       Conductor torge wire     Stranded copper wire, bare       Conductor torge (wire)     0.34 mm²       Carrent load capacity (standard)     to DIN VDE 028-4       Current load capacity (standard)     to DIN VDE 028-4       Current load capacity (standard)     to DIN VDE 028-4       Conductor type (wire)		
Cable weigh     36.3 g/m       Material jacket     PUR       Shore hardness jackat     90.4 S Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jackat)     4.5 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (sheath)     1.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     70.5 Shore D       Shore hardness wire insulation     70.5 Shore D       Ingredient freeness wire insulation     70.5 Shore D       Ingredient freeness wire insulation     70.4 Sinore D       Reader of single wires     0.1 mm       Conductor crossection (wire)     0.34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0296-4       Current load capacity (standard)     to DIN VDE 0296 -4       Current load capacity (standard)     to DIN VDE 0290 °C <td></td> <td></td>		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredents (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (shealt)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (shealt)     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     fee, cadmium-free, CFC-free, halogen-free, silicone-free       Amount wires     4       Conductor crosssection (wire)     0,34 mm²       Diameter of silige wires     0,11 mm       Conductor vire     Stranded copper wire, bare       Conductor type (wire)     Stranded copper wire, bare       C		
Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     1,5 %       Material wire insulation     PP       Arrount Wires     4       Outer diameter four-ance ore insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 m       Darre hardness wire insulation     1,25 m       Cuter diameter insulation     1,25 m       Darre hardness wire insulation     1,26 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor visessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor visessection (wire)     0,34 mm²       Norminal voilage AC max.     300 V       Current load capacity min. wire     4,8 A       Electrical resistance line constant wire     57 CM m @ 20 °C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Min. operating tempe		
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   4.5 mm     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter folorance core insulation   1.5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   1.6 %     Material wires   4.2     Diameter of single wires   0,1 mm     Conductor rossescion (wire)   0.34 mm <sup>3</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 (mire wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - vire)   2,5 kV @ 60 s     Min. operating temperature (wild)   80 °C 90 °C @ 10000 h Operation     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   60 °C 90 °C % 10000 h Operation     Operating temperature max. (dynamic)   60		
Outer-diameter (jacket)   4,5 mm     Tolerance outer diameter (sheath)   1 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter rolerance core insulation   1,25 mm     Outer diameter tolerance core insulation   1 5 %     Shore hardness wire insulation   1 25 mm     Outer diameter tolerance core insulation   1 5 %     Ingredient freeness wire insulation   1 25 Shore D     Ingredient freeness wire insulation   1 25 Shore D     Ingredient freeness wire insulation   1 24 C     Conductor cossescions (wire)   42     Diameter of single wires   0,1 mm     Conductor viscossection (wire)   0,34 mm²     Material conductor wire   Strand dass 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity		
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires4Outer diameter insulation1.25 mmOuter diameter insulation $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0.1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)stranded copper wire, bareCurrent toat capacity (strandard)to DIN VDE 0298-4Current toat capacity (wire - wire)2,5 kV @ 60 sCorrent toat capacity (strandard)2,5 kV @ 60 sMin. operating temperature (staci)-40 °CMax. operating temperature (staci)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDio C & 90 °C @ 10000 h OperationUV resistanceGood, application-r		-
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter tolarance 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 mm <sup>5</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 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - igackel)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - igackel)     40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Derating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892 2 A <		· · · · · · · · · · · · · · · · · · ·
Amount wires   4     Outer diameter insulation   1.25 mm     Outer diameter tolerance core insulation   1.5 %     Shore hardness wire insulation   70 ± 5 Shore D     Imgredient freeness wire insulation   lead-free, catmium-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 AG max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (mix wire   4.8 A     Electrical resistance line constant wire   57 Ωkm @ 20 °C     AC withstand voltage (wire - vire)   2.5 kV @ 60 s     Power frequency withstand voltage (wire - zirck)   2.5 kV @ 60 s     Mix. 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	. ,	
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, cardinum-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vipe (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 029.4       Current load capacity (standard)     to DIN VDE 029.4       Current load capacity (standard)     to DIN VDE 029.4       Current load capacity (standard)     to DIN VDE 02.5 kV @ 60 s       Power frequency withstand voltage (wire - ispectatione line constant wire     2.5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (static)     -50 °C @ 10000 h Operation		
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation70 $\pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sOperating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (static)-40 °COperating temperature (static)-40 °CUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL ISB § 1000 I Decasi2-2 J UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOli resistanceGood, application-related testingOli resistanceGood, application-related testingOli resistanceGood, application-related testingOli resistanceGood, application-related testing <td></td> <td></td>		
Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free     Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor rossesction (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 - injacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C </td <td></td> <td>·</td>		·
Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0.1 mmConductor crosssection (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - infect)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000 J EC 60332-2-2 J UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDiarterS × Outer diameterBending radius (knd)5 × Outer diameterBending radius (knd)5 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 mio. @ 25 °C		
Amount strands (wire)   42     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - 2,5 kV @ 60 s     Power frequency withstand voltage (wire - 2,5 kV @ 60 s     Min. operating temperature (static)   40 °C     Max. operating temperature (static)   40 °C     Max. 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 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 <t< td=""><td></td><td></td></t<>		
Diameter of single wires   0,1 mm     Conductor rosssection (wire)   0,34 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (standard)   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     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature max. (dynamic)   2.5 °C     Operating temperature max. (dynamic)   -2.5 °C     <		
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 min. wire   4,8 A     Electrical resistance line constant wire   57 Q/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   40 °C     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature min. (dynamic)   -25 °C     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 <td>. ,</td> <td></td>	. ,	
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 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)     4.0 °C       Max. 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 te		
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1000   IEC 60332-2 · 2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGaisoline resistanceGood, application-related testingOil resistanceGood, application-related testing <tr< td=""><td></td><td></td></tr<>		
Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     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   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   So Oute		
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,8 A     Electrical resistance line constant wire   57 Ω/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   2,5 kV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operating temperature (istad)   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   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     No. of bending radius (dynamic)   10 x Outer diameter     Bending radius (dynamic)   10 Nio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		
Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDiv outer diameterNo. of bending cy		
Electrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2·2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingOil resistanceGood, application-related testingDi no @ 25 °CTraversing distance (C-track)No. of bending cycles (C-track)10 m @ 25 °C   horizontal		
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jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDin so Outer diameterNo. of bending cycles (C-track)No. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		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 resistanceS × Outer diameterBending radius (dynamic)10 × Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal	jacket)	
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 resistanceIntervent diameterBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		
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Flame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		
Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		
Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		
Bending radius (fixed) 5 x Outer diameter   Bending radius (dynamic) 10 x Outer diameter   No. of bending cycles (C-track) 10 Mio. @ 25 °C   Traversing distance (C-track) 10 m @ 25 °C   horizontal		
Bending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontal		Good, application-related testing   DIN EN 60811-404
No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal		5 x Outer diameter
Traversing distance (C-track) 10 m @ 25 °C   horizontal		
Travel speed (C-track) 3 m/s @ 25 °C	Traversing distance (C-track)	
	Travel speed (C-track)	3 m/s @ 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: 2024-05-19



No. of torsion cycles

2 Mio.

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

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