

## M12 female 90° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 5m

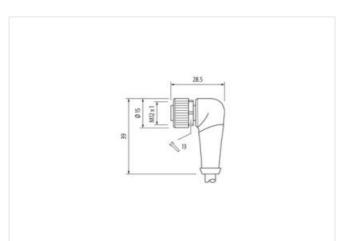
Female 90° M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths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

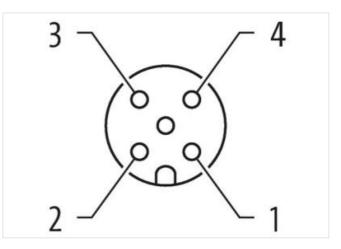
## Link to Product

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: 2024-05-11

5 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	A
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	4048879206440
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)	
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	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C

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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 sNin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (mixed)80 °C / 90 °C @ 10000 h OperationUV resistanceUN 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 testingO	Additional condition temperature range	depending on cable quality
Note or berding radiu:     Attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be endingered by excessive bending forces.       Contornity     Product standard     Din NN 1076 2-101 (M12)       Installation I Cable     Contornity     Contornity       Cable identification     634     Contornity       Cable identification     634     Contornity       Cable identification     634     Contornity       Display Control is an excessive bending forces.     Contornity       Cable identification     634     Control is an excessive bending forces.       Cable identification     634     Control is an excessive bending forces.       Control information     Control is an excessive bending forces.     Control is an excessive bending forces.       Control information     Control is an excessive bending forces.     Control is an excessive is an excession.     Control is a force in excession.       Control information     Control information.     Control information.     Control information.     Control information.       Control information     Sinter information.     Sinter information.     Sinter information.     Control information.     Control information.     Control information.     Control	Important installation notes	
Note or berding radiu:     Attention: Observe the permissible bending radii when laying cables, as the IP protection diass can be endingered by excessive bending forces.       Contornity     Product standard     Din NN 1076 2-101 (M12)       Installation I Cable     Contornity     Contornity       Cable identification     634     Contornity       Cable identification     634     Contornity       Cable identification     634     Contornity       Display Control is an excessive bending forces.     Contornity       Cable identification     634     Control is an excessive bending forces.       Cable identification     634     Control is an excessive bending forces.       Control information     Control is an excessive bending forces.     Control is an excessive bending forces.       Control information     Control is an excessive bending forces.     Control is an excessive is an excession.     Control is a force in excession.       Control information     Control information.     Control information.     Control information.     Control information.       Control information     Sinter information.     Sinter information.     Sinter information.     Control information.     Control information.     Control information.     Control	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DNE No 6078-2·101 (M12)       Installant (Cable     Cable interfaction     634       Cable interfaction     634     Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard Cable Standard (Cable Standard Cable Standard Cable Standard Cable Standard Standard (Cable Standard Stand	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Instiliation (Cable       Cable infinition     634       Cable infinition     634       Cable Type     3       Jacket Color     black       Type of Certificate     culPus       Annount stranding     1       Stranding     4 wires twisted       wires arrangement     blocks, blue, white       Cable weigh     68,3 g/m       Material jacket     PUR       Shore hardness jacket     90,5 Shore A       Freedom from Ingredients (jacket)     1.6 S <sup>+</sup> .       Older diameder (jacket)     1.6 S <sup>+</sup> .       Shore hardness wire insulation     70 ± S Shore D       Ingredent Insulation     1.0 S m <sup>+</sup> .       North hardness wire insulation     70 ± S Shore D       Ingredent Insulation     1.0 S m <sup>+</sup> .       Shore hardness wire insulation     70 ± S Shore D       Ingredent Insulation     1.0 S m <sup>+</sup> .       Shore hardness wire insulation	Conformity	
Institution (Cable       Cable Jorpio     634       Cable Jorpio     634       Cable Jorpio     634       Cable Color     black       Type of Carificale     URus       Anound standing     1       Standing     4 wires livialed       wire arrangement     bboxs, blue, while       Cable weigh     63.3 g/m       Material jacket     PUR       Shore hardness jacket     PUR       Freedom from ingredents (jacket)     1.4 S from       Cable diameter (sheath)     4.5 %       Cardinater insulation     1.9 S from A       Tolerance outer diameter (sheath)     4.5 %       Card diameter insulation     1.9 S from D       Outer diameter insulation     1.9 S from D       Dare diameter insulation     1.0 S from D       Dare diameter insulation     1.0 S from D       Ingredent freeness wire insulation     1.0 S from P       Conductor vire     Standed copper wire, bare       Conductor vire     Standed copper wire, bare       Conductor vire     Standed copper wire, bare       Conductor vire     Stan	Product standard	DIN EN 61076-2-101 (M12)
Cable identification634Cable Type3Joacka ColorblackType of CarificatecuPusAnnourt stranding1Stranding4 vires locitateStranding4 vires locitateStranding4 vires locitateCable weigh8.8.3 gmMateral JackatPURStore hardness jackat90.5 Shore AFreedom from ingredients (jackat)4.6 mmToferandor (jackat)4.5 mmToferandor (jackat)4.5 mmToferandor (jackat)4.5 mmOut of diameter insulation1.5 mnOut of diameter insulation1.5 mmOut of diameter insulation1.5 mmConductor insulation1.5 mmConductor insulation1.5 mmConductor insulation1.5 mmConductor weire insulation1.0 mm <tr< td=""><td></td><td></td></tr<>		
Abbit Type     3       Jacket Color     black       Jacket Color     black       Type of Certificate     CURus       Amount stranding     1       Stranding     4 wires heitatel       wire arrangement     brown, black, blue, while       Cable weight     36.3 g/m       Material jacket     PUR       Shore hordness jacket     90 ± 5 Shore A       Freedom from ingrodients (jacket)     4 sm       Cable weight     4 sm       Older diameter (jacket)     4 5 %       Moroil wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diamater insulation     1,25 % <tr< td=""><td></td><td></td></tr<>		
Jacket Color     black       Type of Carfficate     cuRus       Anouri stranding     1       Stranding     4 wires twisted       Wire arrangement     brown, black, blue, white       Cable weigh     36.3 g/m       Material jacket     PUR       Stranding     4.5 mm       Toleranco uter fundmeter (jacket)     4.5 mm       Toleranco uter fundmeter (jacket)     4.5 mm       Toleranco uter fundmeter (jacket)     4.5 mm       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1.5 %       Toleranco uter fundmeter (shart)     1.5 %       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Toleranco uter fundmeter (shart)     70.5 Shore D       Ingredient freeness wire insulation     1.25 mm       Conductor type wires sharter insulation     1.25 mm       Conductor type (wire)     0.1 mm       Conductor type (wire)     0.34 mm <sup>2</sup> Material anoduktor wire     0.1 mm       Conductor type (wire)     Stranddo copper wire, bare </td <td></td> <td></td>		
Type of Certificate     cURus       Amount stranding     1       Shanding     4 wres twisked       wire arrangement     brown, black, blue, white       Cable weigh     36,3 g/m       Material jacket     PUR       Shore hardness jacket     90 = 5 Shore A       Freedom from ingredients (jacket)     4,5 mm       Outer diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     1 = 5 %       Amount wires     4       Outer diameter insulation     1,25 mm       Conductor crossection (wire)     42       Diameter of single wires     0,1 mm       Conductor crossection (wire)     1,34 mm <sup>4</sup> Material conductor wire     Sinanded coppart wire, bare       Conductor crossection (wire)     0,14 mm <sup>4</sup> Material conductor wire     Sinanded c		
Anount stranding     1       Stranding     4 wires twisted       wires arrangement     brown, black, blue, white       Cable weight     36.3 g/m       Material jocket     PUR       Shore hardness jacket     90.5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, allicone-free       Outer diameter (jacket)     4.5 mm       Tolerance suit diameter (halath)     4.5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter size insulation     7.0 ± 5 Shore D       Ingredient freenes wire insulation     1.25 mm       Outer diameter size insulation     7.0 ± 5 Shore D       Ingredient freenes wire insulation     1.25 mm       Outer diameter size insulation     1.0 ± Mm       Conductor vires wire insulation     1.0 ± Mm       Conductor vires wire insulation     1.0 ± Mm       Conductor vires wire insulation     1.0 ± Mm       Conductor vipe (wire)     0.1 mm       Conductor vipe (ATMAC)     0		
Stranding     4 wires twisted       Stranding     4 wires twisted       wire arrangement     brown, black, blew, while       Cable weigh     96.3 g/m       Material jackal     PUR       Shore hardness jacket     90.4 5 Shore A       Freedom Tom ingredents (jacket)     4.5 mm       Otlar-diameter (jacket)     4.5 mm       Tolarance outer diameter (sheaht)     1.5 %       Annout viros     4       Outer diameter insulation     PP       Annout viros     4       Outer diameter insulation     70.4 5 Shore D       Ingredient freeness wire insulation     70.4 5 Shore D       Ingredient freeness wire insulation     70.4 5 Shore D       Ingredient freeness wire insulation     42       Diameter of singlig wires     0.1 rm       Conductor vires escenton (wire)     34 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor vires escenton (wire)     10 N VDE 0298.4       Current load capacity (strandard)     to DIN VDE 0298.4       Current load capacity (strandard)     to DIN VDE 0298.4       Curest load capacity (wire wire)     2.5 KV		
wire arrangementbrown, black, blue, whiteCable weight36,3 g/mMaterial JacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter diameter (jacket)4.5 mmTolerance outer diameter (shealth)± 5 %Material JacketPPAmount wires4Outer diameter ore insulation1.25 mmOuter diameter ore insulation1.25 mmOuter diameter ore insulation1.5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation1.6 5 Shore DIngredient freeness wire insulation1.6 5 Shore DIngredient freeness wire insulation1.6 4 Shore DIngredient freeness wire insulation1.6 Shore DConductor or cossection (wire)0.34 mm <sup>2</sup> Conductor vireStranded copper wire, bareConductor vire (wire)1.7 and class 6Nominal voltage AC max.300 VCurrent load capacity (inst midded)1.0 NV DE 0298-4Current load capacity (inst midded)2.5 KV @ 60 sPower frequency withstand voltage (wire)2.5 KV @ 60 sOperating temperature (insd)80 °C / 90 °C @ 10000 h OperationOperating temperature max. (dynamic)2.5 KV @ 60 sOperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUr resistanceGood, application-related testingCapolin temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUr resistanc		· · · · · · · · · · · · · · · · · · ·
Cable weight     36,3 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     led-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     4.5 fm       Material wire insulation     PP       Amount wires     4       Outer diameter trauslation     1.25 mm       Outer diameter traveness wire insulation     1.24 5%       Shore hardness (wire)     42       Dameter of single wires     0.1 mm       Conductor rypse (wire)     0.34 mm <sup>2</sup> Material conductor wire     Strand class 6       Nominal voltage AC max.     300 V       Current load capacity (stanatord)     to DIN VDE 0284-4       Current load capacity (stanatord)     to DIN VDE 0284-4       Current load capacity (stanatord)     to DIN VDE 0284-4       Current load capacity (stanatord)		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4,5 mm       Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (jacket)     2 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (jacket)     1.5 mm       Outer diameter insulation     1.2 mm       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.6 %       Shore hardness wire insulation     1.6 % %       Shore hardness wire insulation     1.6 % %       Conductor rows     0.1 mm       Conductor rowssection (wire)     0.34 mm <sup>2</sup> Conductor row     Strand class 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     4.5 A       Electrical resistance line constant wire     57 L/k m @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - wi		
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)     4 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     124 mm       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor vises section (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vises (apacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4		-
Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (jacket)4.5 mmTolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAmount wires4Outer diameter insulation1.25 mmOuter diameter insulation70 $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 %Shore hardness wire insulation70 $\pm$ 5 %Shore hardness wire insulation1.25 mmOuter diameter insulation70 $\pm$ 5 %Shore hardness wire insulation1.26 mmDiameter of single wires0.11 mmConductor crossesetion (wire)0.34 mm²Material conductor wireStranded copper wire, bareConductor yree (wire)stranded copper wire, bareConductor yree (wire)stranded copper wire, bareConductor yree (wire)stranded copper wire, bareConductor yree (wire)5.7 ú/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire)2.5 kV @ 60 sPower frequency withstand voltage (wire)2.5 kV @ 60 sQuerting temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h Operation <tr< td=""><td></td><td></td></tr<>		
Outer-diameter (acket)   4,5 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter risulation   1,25 mm     Outer diameter lolerance core insulation   ± 5 %     Shore hardness wire insulation   1,25 Shore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of slope wires   0,1 mm     Conductor crosssection (wire)   0,34 mm <sup>3</sup> Conductor vise   Stranded copper wire, bare     Conductor vise   Stranded copper wire, bare     Conductor lype (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity (min-wire   2.5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2.5 kV @ 60 s     Min. operating temperature (static)   -40 °C     <		
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPAnount wires4Outer diameter insulation1.25 mmOuter diameter insulation $\pm$ 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation164 dree, cadmium-tree, CFC-tree, halogen-free, silicone-freeAmount strands (wire)42Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm <sup>2</sup> Material conductor wireStranded copper wire, bareConductor drosssection (wire)strande class 6Nominal voltage AC max.300 VCurrent 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 - 25 °COperating temperature (static)-40 °CMax. operating temperature (static)-40 °C @ 10000 h OperationOperating temperature (static)-40 °CInv resistanceUL 1581 § 1000 LFC Ø322-2.2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGascian ce sistanceGood, application-related testingGascian ce sistanceGood, application-related testingGascian ce sistanceGood, application-related testingOil resistanceGood, application-related testingGascian ce (Strack)10 NG 02 5° °COil resistance (C-track)10 NG 02 5° °CHame		
Material wire insulation PP   Amount wires 4   Outer diameter insulation 1,25 mm   Outer diameter insulation 1,5 mm   Outer diameter insulation 70 ± 5 Shore D   Ingredient freeness wire insulation 16a/free, cadmium-free, CFC-free, halogen-free, silicone-free   Amount stands (wire) 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 (islandard) to DIN VDE 0298-4   Current load capacity (islandard) 57 0/k		
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     164 ± 5 %       Dameter of single wires     0,1 mm       Conductor crossescetion (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor torsessection (wire)     0,34 mm²       Current load capacity (strandard)     to DIN VDE 028-4       Current load capacity (wire)     2,5 kV @ 60 s       Stranded togs (wire - wire)     2,5 kV @ 60 s       power frequency withstand voltage (wire - size)     -2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       O		
Current Network1,25 mmOuter diameter loterance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) $42$ Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copper wire, bareCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire) $2.5 kV @ 60 s$ Power frequency withstand voltage (wire - wire) $2.5 kV @ 60 s$ Min. operating temperature (static) $40  ^{\circ}$ CMax. operating temperature (static) $40  ^{\circ}$ CMax. operating temperature (static) $40  ^{\circ}$ CUr resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingCapoline resistanceGood, application-related testingCasoline resistanceGood, application-related testingCasoline resistance </td <td></td> <td></td>		
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.     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       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Qureating temperature (static)     -40 °C       Vir resistance     UL 1581 § 1000 I Doperation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1000 I IEC 60332-2-2   UL 1581 § 1100 FT2       Chemical resistance		-
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       Dianeter of single wires     0,1 mm       Conductor sossection (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 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 - diace)     2.5 kV @ 60 s       Min. operating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Operating temperature (static)     40 °C       Operating temperature (static)     40 °C       Min. operating temperature (static)     40 °C       Querating temperature (static)     40 °C       Operating temperature (static)     60 °C / 9		·
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)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)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)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)40 °CChemical resistanceDIN EN ISO 4892-2 AFlame resistanceUL ISB1 § 1000   IEC 60332-2-2   UL 1581 § 1100 FT2Chemical resistanceGood, application-related testingOil resistanceGood, application-related testing<		
Amount strands (wire)42Diameter of single wires0,1 mmConductor rosssection (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 0296-4Current load capacity min. wire4.8 AElectrical resistance line constant wire57 Q/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2.5 kV @ 60 sNom capacity temperature (tstatc)-40 °CMax. operating temperature (tstatc)-40 °CMax. operating temperature (tstatc)80 °C / 90 °C @ 10000 h OperationOperating temperature (tstatc)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 6032-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOll resistanceGood, application-related testing </td <td></td> <td></td>		
Diameter of single wires0,1 mmConductor orosssection (wire)0,34 mm³Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent tod capacity (standard)to DIN VDE 0298-4Current tod capacity (standard)to DIN VDE 0298-4Current tod 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 (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °CUV resistanceDIN EN ISO4 4932-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi No Cuter diameterBending radius (fixed)Bending radius (fixed)5 × Cuter diameterBending radius (fixed)10 × Outer diameterBending radius (fixed)5 × Cle horizontalTraversing distance (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °CTraversing distance (C-track)10 m @ 25 °C		
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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 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °COperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingNo. of bending cycles (C-track) <td>Nominal voltage AC max.</td> <td></td>	Nominal voltage AC max.	
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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIO x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CTravel speed (C-track)3 m's @ 25 °C	Current load capacity (standard)	to DIN VDE 0298-4
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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceIO x Outer diameterBending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °CTravel speed (C-track)3 m's @ 25 °C	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDin En Good, application-related testingDIN EN 60811-404Bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °C		57 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing I 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 °C	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 testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °C	Power frequency withstand voltage (wire - jacket)	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 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 °C	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 testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDix S Outer diameterS x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)3 m/s @ 25 °C	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 testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)3 m/s @ 25 °C	Operating temperature min. (dynamic)	-25 °C
Flame resistanceUL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °C	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterNo. of bending cycles (C-track)10 Mio. @ 25 °CTraversing distance (C-track)10 m @ 25 °C   horizontalTravel speed (C-track)3 m/s @ 25 °C	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 °C	Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Travel speed (C-track)   3 m/s @ 25 °C	chemical resistance	
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 °C		
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 m/s @ 25 °C		
No. of bending cycles (C-track)   10 Mio. @ 25 °C     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Travel speed (C-track)   3 m/s @ 25 °C	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	Bending radius (dynamic)	
Travel speed (C-track)3 m/s @ 25 °C	No. of bending cycles (C-track)	
No. of torsion cycles 2 Mio.		
	No. of torsion cycles	2 Mio.

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Torsion stress

Torsion speed

± 180 °/m 35 cycles/min

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