

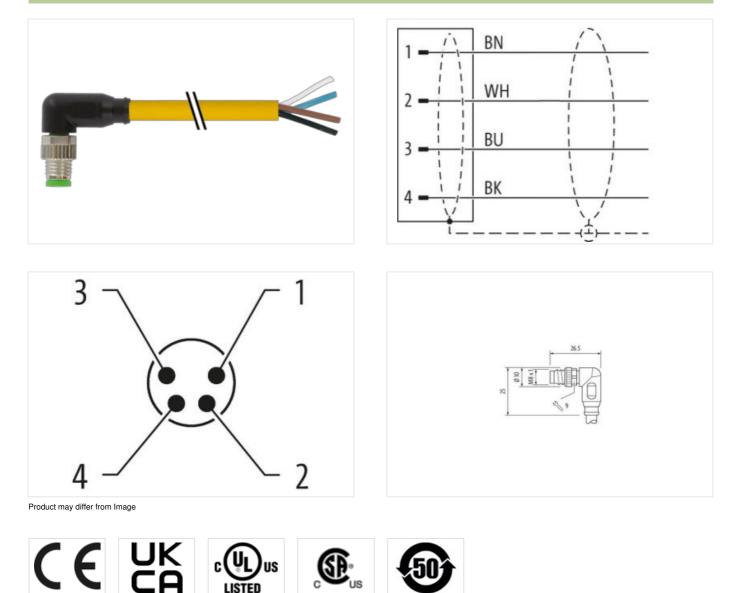
## M8 male 90° A-cod. with cable

PUR 4x0.25 ye UL/CSA+drag ch. 5m

Male 90° M8, 4-pole Art-No. 7005 - M8 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



Cable length	5 m	
Side 1		
Tightening torque	0,4 Nm	



Mounting method	inserted, screwed
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal $\emptyset$ )	6,5 mm
Cable outlet	angled
Coding	A
Material	PUR
No. of poles	4
Width across flats	SW9
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879232166
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	50 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed) Current operating per contact max.	30 V 4 A
	48
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M8 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	Brass
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
mation in this Product-PDF has been compiled with th	

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

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Alter of berning radiu     Attention: Clearer true permissible bending radii when laying cables, as the IP protection datas can be encloargered by excessive bending fores.       Contornity     Product standard     DN IN 101762-104 (MR)       Tabilation (Clearer true)     Cable     Cable       Cable identification     031     Cable identification     Cable identification       Cable identification     UNI NN 10762-104 (MR)     Cable identification     Cable identification       Cable identification     UNI NN 10762-104 (MR)     Cable identification     Cable identification       Cable identification     UNI NN 1000000000000000000000000000000000	Additional condition temperature range	depending on cable quality
Able on bending radiu     Attendion: Chearev the permissible bending radii when laying cables, as the IP protoction diass can be entropyed by excessive bending forces.       Contornity     Product standard     DN IN 01076-2-104 (MR)       Installation (Cable)     Installation (Cable)     Installation (Cable)       Cable identification     031     Cable (Cable Cable)     Installation (Cable)       Cable identification     031     Cable (Cable Cable)     Installation (Cable Cable)       Cable identification     091     Cable (Cable Cable)     Installation (Cable Cable)     Installation (Cable Cable)       Type of Cablication     0100 @ 23 °C (Instance)     Installation (Cable Cable)     Installation (Cable Cable)     Installation (Cable Cable)       Type of Cable (Cable)     100 @ 23 °C (Instance)     Installation (Cable Cable)     Installation (Cable Cable)     Installation (Cable Cable)       Stream (Cable Cable)     02 & 5 Shore A     Foreodom (Cable Cable)     Installation (Cable)     Installation (Cable)     Installation (Cable)     Installation (Cable)     Installation (Cable Cable)     Installation (Cable Cable) <thinstallation (cable="" cable)<="" th="">     Installat</thinstallation>	Important installation notes	
defangencies because is bearding forces.       advances of beaces in bearding forces.        Product standard      Product standard       Product standard      Standard      Standard	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard     DNEN 61078-2·104 (M8)       Installation [Cable     Cable identification     031       Cable identification     031     Cable	Note on bending radius	
Institution ( Cable       Cable inferition     0.01       Cable inferition     0.01       Cable Type     3       Jackat Cobr     yellow       Type of Carlinate     URus       Anount stranding     1       Stranding     4 wires twisted       wire arrangement     Down, Back, Duo, witte       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weigh     33 g/m       Matural jackat     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom tim mignedimeti (jacket)     18ad Free, cardinum-free, CFC-free, halogen-free, silicone-free       Older diameter (jacket)     4.5 mm       Order diameter (jacket)     4.5 Sm       Older diameter insulation     PP       Anount wins     4       Outer diameter insulation     12 5 mm       Outer dinameter insulation<	Conformity	
Cable identification031Cable Type3Jackel CoiryellowType of CafficatecuPusArnout Strading1Traversing distance (C-track)10 m Q2 5°C   horizontalCable weight33 g/mCable weight33 g/mMaterial jacketPUHShore hardness jacket90 5°C   horizontalCable weight03 g/mMaterial jacket90 5°C   horizontalCable weight05 5 Shore AFroedom from ingradients (jacket)10 ag 2°C   horizontalCable weight5 5 Shore AFroedom from ingradients (jacket)10 ag 7°C   horizontalCable weight5 5 %Froedom from ingradients (jacket)5 %Cable and the insulation12 5° mColar diameter (sheath)15 %Material wei insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Carler diameter (sheath)10 00 VCarler diameter (sheath)10 00 V<	Product standard	DIN EN 61076-2-104 (M8)
Cable identification031Cable Type3Jackel CoiryellowType of CafficatecuPusArnout Strading1Traversing distance (C-track)10 m Q2 5°C   horizontalCable weight33 g/mCable weight33 g/mMaterial jacketPUHShore hardness jacket90 5°C   horizontalCable weight03 g/mMaterial jacket90 5°C   horizontalCable weight05 5 Shore AFroedom from ingradients (jacket)10 ag 2°C   horizontalCable weight5 5 Shore AFroedom from ingradients (jacket)10 ag 7°C   horizontalCable weight5 5 %Froedom from ingradients (jacket)5 %Cable and the insulation12 5° mColar diameter (sheath)15 %Material wei insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Shore hardness wire insulation70 5 Shore DCarler diameter (sheath)16 5 %Carler diameter (sheath)10 00 VCarler diameter (sheath)10 00 V<	Installation   Cable	
Gable Type     9       Jackel Color     yellow       Jackel Color     yellow       Type of Cartificate     URus       Amount stranding     1       Stranding     4 wiess twisted       wier arragement     brown, black, blue, white       Traversing distance (C-track)     10 m @ 25 °C. [Indizontal       Cable weigh     33 g/m       Matoral jackat     90 ± 5 Shore A       Freadom Irom impredients (jacket)     4.5 mm       Tolarnano culor dimater (sineath)     4.5 %       Otter dimater (sineath)     4.5 %       Material vise insulation     PP       Amount vise     4       Outer dimater (sineath)     1.5 %       Shore hardness wire insulation     1.25 mm       Outer dimater time insulation     1.25 fm       Durar dimater strands (wire)     3.2       Dimater of singly wires     0.1 mm       Conductor type wire     Strand Copper wire, bare       Conductor type (wire)     Strand Capper wire, bare       Conductor type (wire)     Strand Capper wire, bare       Conductor tropsesection (wire)     Strand Capper wire, bar	·	021
Jackat Color     yellow       Type of Certificate     cLRus       Anount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, while       Travensing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (inceket)     ± 5 %.       Material jacket     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1,25 mm       Outer diameter insulation     1,25 mm       Conductor crosssection (wire)     32       Diameter of singlis wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Outer diameter insulation     0,25 mm <sup>5</sup> Material conductor wire     Stranded copper wire, bare		
Type of Cartificatie     cURus       Amount stranding     1       Stranding     4 wrest twislad       wire arrangement     brown, black, blue, white       Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredientis (jacket)     4.5 mm       Tolerance outer diamoter (facket)     1.5 %.       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter outer insulation     1.25 mm       Outer diameter outer insulation     1.25 mm       Outer diameter outer insulation     1.45 %       Diameter of single wires     <		
Amount stranding   1     Stranding   4 wires twisted     wire arrangement   brown, black, blue, wirle     Traversing distance (C-track)   10 m @ 25 °C   horizontal     Cable weigh   33 g/m     Material jacket   PUR     Shore hordness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   163 °K m     Outer diameter (lacket)   4.5 mm     Tolerance outer diameter (sheath)   1 5 %.     Material jacket   PP     Amount wires   4     Outer diameter isolation   1.25 rm     Outer diameter isolation   1.25 rm     Outer diameter isolation   1.25 Shore D     Ingredient teeneses wire insulation   1.94 5 Shore D     Ingredient teeneses wire insulation   1.94 5 Shore D     Ingredient teeneses wire insulation   1.94 5 Shore D     Ingredient teeneses wire insulation   1.92 Smm <sup>2</sup> Conductor pressection (wire)   0.25 mm <sup>2</sup> Conductor rule   Stranded copper wire, bare     Conductor rule   Stranded copper wire, bare     Conductor rule   Stranded copper wire, bare     Conductor rule   Stramed dass 6 <td></td> <td>-</td>		-
Stranding     4 wires twisted       wire arrangement     brown, black, blou, white       Travening distance (C-track)     10 mg 25 °C   horizontal       Cable weight     33 g/m       Material jacket     PUR       Shore hardness jackat     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 (sheat)     4.5 %       Material wree insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Canductor yer     0.25 mm <sup>2</sup> Dameter of single wires     0.1 mm       Conductor crossection (wire)     0.25 mm <sup>2</sup> Conductor yer     Stranded copper wire, bare       Conductor yer     Stranded copper wire, bare       Conductor yer (wire)     3.2 A       Current toad capapatry (stranderm)     to DI N VDE 0294-4 </td <td></td> <td></td>		
wire arrangement     brown, black, blue, white       Traversing distance (C-track)     10 m @ 25 °C [ horizontal       Cable weigh     33 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     4,5 mm       Tolerance outor diameter (jacket)     4,5 mm       Tolerance outor diameter (jacket)     4,5 mm       Outer diameter insulation     PP       Amount wires     4       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm <sup>2</sup> Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,25 mm <sup>2</sup> Conductor rype (wire)     strand class 6       Nominal vottage AC max.     300 V       Corrent load capacity (standard)     10 DN VDE 298-4 <td< td=""><td></td><td></td></td<>		
Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     33 g/m       Material jocket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (silexet)     ± 5 %       Material invie insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Normal vitands (wire)     32       Diameter of single wires     0.1 mm       Conductor romsees wire insulation     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     0.25 mm²       Conductor romsees dion (wire)     0.0 V		
Cable weigh     33 g/m       Material jacket     PUR       Material jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter toularder (sheath)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     124 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0.25 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Current toad capacity (strandard)     to DIN VDE 0298-4       Current toad capacity (strandard)     to DIN VDE 0298-4       Current toad capacity (wire wire)     2,5 kV Ø 60 s       Power frequency withstand voltage (wire - wire)     2,5 kV Ø 60 s		
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (jacket)     1.25 mm       Outer diameter tolerance ore insulation     1.25 mm       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)     32       Diameter of single wiess     0.1 mm       Conductor crosssection (wire)     0.25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Conductor type (wire)     stranded copper wire, bare       Conductor type (wire)     stranded cose       Current load capacity (min. wire     3.6 A       Electical resistance     0.7 90 °C @ 10000 h Operation       Coperating temperature (static)     40 °C       Max. op		
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)     5 %       Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Shore hardness wire insulation     70 ± 5 Shore D       Norus trands (wire)     32       Diameter of single wires     0.11 mm       Canductor rossection (wire)     0.25 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 min. wire     3.6 A       Electrical resistance line constant wire     79 D/km @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - last) % 0 °C / 90 °C @ 10000 h Operation       Poerating temperature min. (dynamic)     42 °C       Operating temperature min. (dynamic)		
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Materia Wrei insulation     PP       Amount Wres     4       Outer diameter insulation     1.25 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     122 mm       Outer diameter (wire)     32       Diameter of single wires     0,1 mm       Conductor wire     Stranded copper wire, bare       Conductor vire (wire)     0,25 mm <sup>3</sup> Conductor vire (wire)     stranded copper wire, bare       Conductor vire (wire)     stranded copper vire, bare       Conducto	-	
Outer-diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     4       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1.25 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor wiresescloin (wire)     0.25 mm²       Conductor wire     Strand dess 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     3.6 A       Electrical resistance line constant wire     7.9 Ωkm @ 20 °C       AC withstand voltage	,	
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   4     Outer diameter insulation   1,25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   126 The Shore D     Ingredient freeness wire insulation   122     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,25 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 min. wire   3,6 A     Electrical resistance line constant wire   7.9 L/kW @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Min. oper		
Material wire insulation     PP       Amount wires     4       Outer diameter insulation     1.25 mm       Outer diameter follerance 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)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 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 DVM @ 20 °C       Ac withstand voltage (wire - iacktow     36 A       Electrical resistance     80 °C / 90 °C @ 10000 h Operation <		
Amount wires4Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)stranded copper wire, bareCurrent load capacity (strandard)to DIN VDE 0298-4Current load capacity (wire-wire)2,5 kV @ 60 sPower frequency withstand voltage (wire- iacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating 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 OperationCharatorGood, application-related testingGasoline resistance	· · · · · · · · · · · · · · · · · · ·	
Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor rossescion (wire)     0,25 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 INI VDE 0298-4       Current load capacity (standard)     to INI VDE 0298-4       Current load capacity (standard)     to INI VDE 0298-4       Current load capacity (standard)     to INI VDE 029-7C       AC withstand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - size at the si		
Outer diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulation $16a \pm 76e$ , cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) $32$ Diameter of single wires $0,1 mm$ Conductor crosssection (wire) $0,25 mm^2$ Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max. $300 V$ Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire $3,6 A$ Electrical resistance line constant wire $79  \Omega km @ 20 ^\circ C$ AG withstand voltage (wire - wire) $2,5  kV @ 60  s$ Power frequency withstand voltage (wire - $2,5  kV @ 60  s$ Max. operating temperature (static) $-40 ^\circ C$ Max. operating temperature (fixed) $80 ^\circ C / 90 ^\circ C @ 10000  h$ OperationOperating temperature max. (dynamic) $-25 ^\circ C$ Operating temperature max. (dynamic) $80 ^\circ C / 90 ^\circ C @ 10000  h$ OperationChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood		
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)   32     Diameter of single wires   0,1 mm     Conductor crossection (wire)   0,25 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 INI VDE 0298-4     Current load capacity (standard)   to INI VDE 0298-4     Current load capacity (standard)   to INI VDE 0298-4     Current load capacity wink- wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire -   2,5 kV @ 60 s     Nin. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Operating temperature max. (dynamic)   -25 °C     Inare resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing	Outer diameter insulation	·
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crossection (wire)     0,25 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 (standard)     to DIN VDE 0298-4       Current load capacity (wire - wire)     2,5 kV @ 60 s       Row thistand voltage (wire - wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     40 °C       Min. operating temperature (istatic)     40 °C       Max operating temperature (istatic)     40 °C       Max operating temperature (istatic)     80 °C / 90 °C @ 10000 h Operation       Operating temperature max. (dynamic)     25 °C       Operating temperature max. (dynamic)     80 °C / 90 °C @ 10000 h Operation       Flame resistance     UL 1581 § 1100 FT2   IEC 60332-22   UL 1581 § 1090       chemical resistance     Good, application-related testing       Gasoline resistance     Good, applicatio	Outer diameter tolerance core insulation	
Amount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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 - isck)2,5 kV @ 60 sPower frequency withstand voltage (wire - isck)2,5 kV @ 60 sAc withstand voltage (wire - isck)-40 °CMax. operating temperature (istatic)-40 °CMax. operating temperature (istatic)-40 °CMax. operating temperature (istatic)-25 °COperating temperature (istatic)-25 °COperating temperature (istatic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationElactionar resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius	Shore hardness wire insulation	
Diameter of single wires0,1 mmConductor crosssection (wire)0,25 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)2,5 kV @ 60 sElectrical resistance line constant wire79 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - iscket)-40 °CMax. 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 OperationFilame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)5 × Outer diameterBending radius (fixed)10 × Outer diameterTravel speed (C-track)10 Mine, 92 ° °CNo. of torsin cycles	Ingredient freeness wire insulation	
Conductor crosssection (wire)0,25 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 min. wire3,6 AElectrical resistance line constant wire79 Q/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 sPower frequency withstand voltage (wire - jacket)40 °CMax. operating temperature (static)-40 °CMax. operating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Nio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		32
Material 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 min. wire3,6 AElectrical resistance line constant wire79 0/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		·
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Current load capacity min. wire3,6 AElectrical resistance line constant wire79 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 OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceS x Outer diameterTravel speed (C-track)10 Mio. @ 25	Nominal voltage AC max.	300 V
Electrical resistance line constant wire79 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 OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistance <td>Current load capacity (standard)</td> <td>to DIN VDE 0298-4</td>	Current load capacity (standard)	to DIN VDE 0298-4
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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 OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTavel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	79 Ω/km @ 20 °C
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Oil resistance   Good, application-related testing   DIN EN 60811-404     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Gasoline resistance	
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles 2 Mio.   Torsion stress ± 180 °/m	Bending radius (dynamic)	
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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