

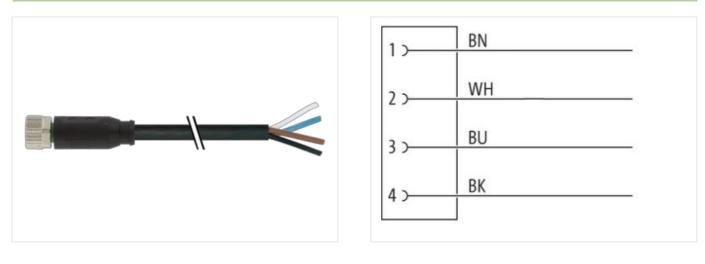
## M8 female 0° A-cod. with cable

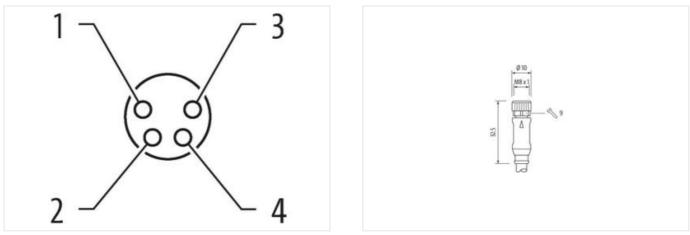
PUR 4x0.25 bk UL/CSA+drag ch. 12m

Female straight 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





Product may differ from Image



12 m

0,4 Nm

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



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M8
Thread	M8 x 1
suitable for corrugated tube (internal Ø)	6,5 mm
Coding	A
Material contact	Copper alloy
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
Coating contact	gold plated
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27270218
ECLASS-6.0 ECLASS-7.0	27279218 27279218
ECLASS-7.0 ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-9.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	27060311 27060311
ECLASS-11.1 ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879725835
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)	30 V
Current operating per contact max.	4 A
	70
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)	· · · · · · · · · · · · · · · · · · ·
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
Meaning meanod	
mentions in their Developed DDE have been served and with th	

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Operating temperature min.         425 °G           Operating temperature max.         85 °C           Additional condition temperature may.         depending on cable quality           Important Installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites. <b>Conformity</b> Product standard         DIN EN 61076-2104 (M8)           Installation   Cable         write arrangement         brown, black, blue, white           Cable identification         631         Cable           Cable identification         631         Cable           Type of Cartificate         cURus         Cable           Amount stranding         1         Stranding         4 wires twisted           wire arrangement         brown, black, blue, white         Cable         Cable           Yape of Cartificate         cURus         Cable         Cable         Cable           wire arrangement         brown, black, blue, white         Cable	Environmental characteristics   Climatic		
Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suble measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suble bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-104 (M8)           Installation I Cable         wire arrangement         brown, black, blue, white           Cable I type         3         Jacket Color           Jacket Color         black         Type of Certificate         c.URus           Amount stranding         1         Stranding         4 wires twisted           wire arrangement         brown, black, blue, white         Cable weight         3 g/m           Material jacket         PUR         Stranding         4 wires twisted           Wire arrangement         brown, black, blue, white         Cable weight         3 g/m           Material jacket         PUR         Stranding         4 wires twisted           Outer diameter (backet)         1 ead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer diameter (backet)         4 5 %           Material jacket         PUR         Store D         Store D         Store D	Operating temperature min.	-25 °C	
Important installation notes           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ites.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-104 (M8)           Installation I Cable         writer arrangement         brown, black, blue, while           Cable Identification         631         Cable Identification           Cable Identification         631         Cable Identificate           Type of Certificate         CURus         Currentificate           Amount stranding         1         Stranding         4 wires twisted           Write arrangement         brown, black, blue, white         Cable Identificate         CURus           Amount stranding         1         Stranding         4 wires twisted         Write straited           Baterial jacket         PUR         Stranding         5 Store A         Freedom from ingredients (jacket)         90 ± 5 Shore A           Freedom from ingredients (jacket)         Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Outer diameter insulation         PP           Amount stranding         1         25 %         Shore handnees	Operating temperature max.	85 °C	
Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on bending radius         Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-104 (M8)           Installation I Cable         wire arrangement         brown, black, blue, white           Cable fidentification         631         Cable Type         3           Jacket Color         black         DIN EN 61076-2-104 (M8)         DIN EN 61076-2-104 (M8)           Amount stranding         1         Stranding         Cable Type         3           Jacket Color         black         DIN EN 61076-2-104 (M8)         DIN EN 61076-2-104 (M8)           Amount stranding         1         Stranding         1         Stranding         Gable type         3           Stranding         4         vires twisted         Musters twisted         Musters twisted         Musters twisted         Musters twisted           Gable weigh         33 g/m         Material jacket         PUR         Stranding         Stranding         Gable type         Stranding         Musters twisted         Musters twisted         Musters twisted         Gable type         Stranding         St	Additional condition temperature range	depending on cable quality	
Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2:104 (M8)           Installation [Cable]         Installation [Cable]         Installation [Cable]           wire arrangement         brown, black, blue, white         Cable Type         3           Jacket Color         black         DIN EN 61076-2:104 (M8)         Installation           Yape of Certificate         cURus         Culture         Amount stranding         1           Stranding         1         Stranding         4 wires twisted         Wire arrangement         brown, black, blue, white           Cable weigth         33 g/m         Material jacket         PUR         Shore A         Freedom Trom ingredients (jacket)         Lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Cuter-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         1.5 %         Material wire insulation         PP         Amount wires         4           Outer diameter insulation         1.25 mm         Cuter diameter insulation         1.25 mm         Shore bardness wire insulation         7.2 ± 5 %           Material wire insulation         1.25 fm         Cuter diameter insulation         7.2 ± 5 % <td>Important installation notes</td> <td></td>	Important installation notes		
Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Conformity         Product standard         DIN EN 61076-2-104 (M8)           Installation   Cable         Din EN 61076-2-104 (M8)         Installation   Cable           wire arrangement         brown, black, blue, white         Cable Type         3           Jacket Color         black         Din EN 61076-2004 (M8)         Din EN 61076-2004 (M8)           Yape of Certification         631         Cable Type         3           Jacket Color         black         Din EN 61076-2004 (M8)         Din EN 61076-2004 (M8)           Wrie arrangement         brown, black, blue, white         Cable Type         3         Jacket Color         Diak           Stranding         1         stranding         1         Stranding         4 wires twisted           Wrie arrangement         brown, black, blue, white         Cable weigth         33 g/m         Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A         Freedom trom ingredents (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %         Material wire insulation         PP           Amount wires         4         Outer diameter tolerance core insul	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Product standard     DIN EN 61076-2-104 (M8)       Installation   Cable       wire arrangement     brown, black, blue, white       Cable identification     631       Cable route     black       Type of Certificate     cURus       Amount stranding     1       Stranding     4 wires twisted       wire arrangement     brown, black, blue, white       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 (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     1,25 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,25 mm       Outer diameter (sheath)     ± 5	Note on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be	
Installation   Cable           wire arrangement         brown, black, blue, white           Cable identification         631           Cable View Identification         631           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable weigh         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 (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         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         22           Diameter of single wires         0,1 mm           Conductor orosselection (wire)         32 me <sup>2</sup>	Conformity		
wire arrangementbrown, black, blue, whiteCable identification631Cable Type3Jacket ColorblackType of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 g/mMaterial jacketPURShore hardness jacket90 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, halogen-free, silicone-freeOuter-diameter (lacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material jwire insulationPPAmount strands4Outer diameter insulation± 5 %Shore hardness wire insulation± 5 %Duter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Ingredient freeness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material conductor wire5 % andDiameter of single wires0,1 mmConductor cossection (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. wire <t< td=""><td>Product standard</td><td>DIN EN 61076-2-104 (M8)</td></t<>	Product standard	DIN EN 61076-2-104 (M8)	
Cable identification       631         Cable Type       3         Jacket Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       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 (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       0.4 5 %         Shore hardness wire insulation       0.4 5 %         Diameter of single wires       0.1 mm         Conductor crosssection (wire)       0.25 mm <sup>3</sup> Material c	Installation   Cable		
Cable identification         631           Gable Type         3           Jacket Color         black           Type of Certificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Cable identification         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 (jacket)         4,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         4           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.45 %           Shore hardness wire insulation         10 ± 5 % Shore D           Ingredient treeness wire insulation         1.25 mm           Conductor crosssection (wire)         32           Diameter of single wires         0.1 mm           Conductor wires         0.1 mm           Conductor w	wire arrangement	brown, black, blue, white	
Jacker Color       black         Type of Certificate       cURus         Amount stranding       1         Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       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 (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       1,25 mm         Outer diameter tolerance core insulation       7.0 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       22         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,25 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire) </td <td>-</td> <td></td>	-		
Type of CertificatecURusAmount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 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 (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter folerance core insulation1,25 mmOuter diameter folerance core insulation1,25 mmOuter diameter folerance core insulation± 5 %Shore hardness wire insulation0 ± 5 Shore DIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor rossection (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)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Cable Type	3	
Amount stranding1Stranding4 wires twistedwire arrangementbrown, black, blue, whiteCable weigth33 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 (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter of insulation70 ± 5 Shore DIngredient freeness wire insulation70 ± 5 Shore DIngredient freeness wire insulation12 mm²Amount strands (wire)32Diameter of single wires0,1 mmConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareConductor type (wire)Stranded copper wire, bareNominal 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 A	Jacket Color	black	
Stranding       4 wires twisted         wire arrangement       brown, black, blue, white         Cable weigth       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 (jacket)       4,5 mm         Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       1,25 mm         Outer diameter of single wires       0,1 mm         Conductor crosssection (wire)       32         Diameter of single wires       0,1 mm         Conductor type (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	Type of Certificate	cURus	
AndreWire arrangementbrown, black, blue, whiteCable weigth33 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 (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient free ensus wire insulation70 ± 5 Shore DIngredient freeness wire insulation1,25 mmOuter 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 min. wire3,6 A	Amount stranding	1	
Cable weigh33 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 (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation12 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation0,25 mm²Amount strands (wire)32Diameter of single wires0,1 mmConductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)strande copper wire, bareConductor type (wire)stranded copper wire, bareNominal voltage AC max.300 V <td< td=""><td>Stranding</td><td>4 wires twisted</td></td<>	Stranding	4 wires twisted	
Cable weight33 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 (sheath)± 5 %Material wire insulationPPAmount wires4Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation70 ± 5 Shore DIngredient freeness wire insulation10 ± 5 Shore DIngredient freeness wire insulation22Diameter of single wires0,1 mmConductor rosssection (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 min. wire3,6 A	wire arrangement	brown, black, blue, white	
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 (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter tolerance core insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness 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 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)± 5 %Material wire insulationPPAmount 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 crossection (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 A			
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Shore hardness jacket	90 ± 5 Shore A	
Outer-diameter (jacket)4,5 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPPAmount 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
Material wire insulationPPAmount 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer-diameter (jacket)		
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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Tolerance outer diameter (sheath)	±5%	
Outer 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Material wire insulation	PP	
Outer 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Amount wires	4	
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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer diameter insulation	1,25 mm	
Ingredient 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)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Outer diameter tolerance core insulation	±5%	
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 min. wire3,6 A	Shore hardness wire insulation	70 ± 5 Shore D	
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 min. wire3,6 A	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free	
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 A	Amount strands (wire)	32	
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	Diameter of single wires	0,1 mm	
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Conductor crosssection (wire)		
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire3,6 A	Material conductor wire	Stranded copper wire, bare	
Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min. wire     3,6 A	Conductor type (wire)	strand class 6	
Current load capacity min. wire 3,6 A	Nominal voltage AC max.	300 V	
	Current load capacity (standard)	to DIN VDE 0298-4	
Electrical resistance line constant wire 79 Q/km @ 20 °C	Current load capacity min. wire	3,6 A	
	Electrical resistance line constant wire	79 Ω/km @ 20 °C	
AC withstand voltage (wire - wire) 2,5 kV @ 60 s	AC withstand voltage (wire - wire)	2,5 kV @ 60 s	
Power frequency withstand voltage (wire - 2,5 kV @ 60 s		2,5 kV @ 60 s	
Min. operating temperature (static) -40 °C	Min. operating temperature (static)	-40 °C	
Max. operating temperature (fixed)80 °C / 90 °C @ 10000 h Operation	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation	
Operating temperature min. (dynamic) -25 °C	Operating temperature min. (dynamic)	-25 °C	
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h Operation	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation	
UV resistance DIN EN ISO 4892-2 A	UV resistance		
Flame resistance         UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2	
chemical resistance Good, application-related testing	chemical resistance	Good, application-related testing	
Gasoline resistance Good, application-related testing			
Oil resistance Good, application-related testing   DIN EN 60811-404			
Bending radius (fixed)     5 x Outer diameter	Bending radius (fixed)	5 x Outer diameter	

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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 torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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