

## M8 female 0° A-cod. with cable

PUR 3x0.34 or UL/CSA+robot+drag ch. 2m

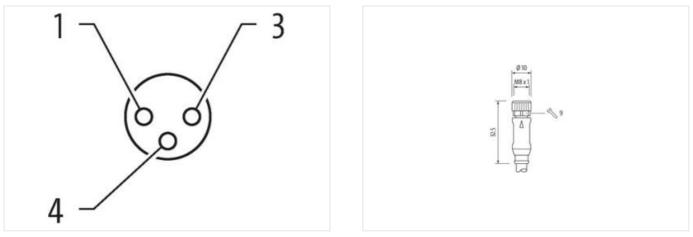
Female straight M8, 3-pole Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



2 m

0,4 Nm

Cable length

Tightening torque

Side 1

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: 2024-05-18



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
Cable outlet	straight
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	3
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	27061801
ECLASS-0.0 ECLASS-10.1	27060311
ECLASS-10.1 ECLASS-11.1	27060311
ECLASS-11.1 ECLASS-12.0	27060311
customs tariff number	85444290
GTIN	4048879895507
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
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	
	safe sover costed
Coating locking	safe-cover coated
Coating of fitting	nickel plated FKM
Material gasket 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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Important installation noise         Protect the connectors by solution empaarse from increanical loads, e.g. by the usage of cable less.           Note on bonding radius         Attention: Closeve the permeasuble bending from increanical loads, e.g. by the usage of cable less.           Conformity         Product increanical loads, e.g. by the usage of cable less.           Product standard         DNIE NO 1076 2 104 (M8)           Installation (Cable         Cable dontification           Cable dontification         645           Cable dontification         6475           Cable dontification         6475           Cable dontification         6476           Cable dontification         6475           Cable dontification         6476           Cable dontification         6476           Cable and gradie         000000           Type of Cable factor         000000           Cable and gradient         DRUN           Cable and gradient globel         9178           Cable and gradient globel         918	Additional condition temperature range	depending on cable quality
Note on berding radius         Amendion: Observe the permissible bending radii when laying cables, as the IP protection class can be endingered by excessive bending forces.           Contornity         Product standard         DN Ex 6175-2-104 (M8)           Installation ICable         Endition ICable         Endition ICable           Cable Identification         B45         Endition ICable         Endition ICable           Standards         OP IN Ex 6175-2-104 (M8)         Installation ICable         Endition ICable           Cable Infraction         B45         Cable Infraction         B45           Cable Ordificatio         CURus         Curu Infraction         Installation ICable Amount standard           View arrangement         brown, black blue         Cable weight         33 gift         Material jocket         PUR           Store Introfiscas jocket         PUR         Store Introfiscas jocket         PUR         Material jocket         PUR           Order diameter Insulation         P2 For Amount weins         Store Introfiscas jocket           Outer diamoter Insulation         1.2.8 mm         Context and the insulation         1.2.8 mm           Outer diamoter Insulation         2.4.5 Store D         Store Introfiscas insulation <td>Important installation notes</td> <td></td>	Important installation notes	
Number of weak of the second of the	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Product standard         DN EN 61076-2-104 (M6)           Installication (Sake           Cable identification         845           Cable Type         5           Jackel Color         Orange           Type of Curificate         URus           Annort stranding         1           Stranding         Sine that the stranding           Wire arrangement         boxn, black, blue           Cable weigh         33 g/m           Material jackat         64 ± 5 Shore D           Freedom Tom ingredients (jackat)         64 ± 5 Shore D           Freedom Tom ingredients (jackat)         45 mm           Outer diameter (relation)         15 %           Material jackat         64 ± 5 Shore D           Freedom Tom ingredients (jackat)         45 mm           Outer diameter (relation)         12 Sm           Outer diameter insulation         13 Sm           Outer diameter insulation         13 Sm           Outer diameter insulation         13 Sm           Outer diameter insulation	Note on bending radius	
Installation ( Cable           Cable identification         845           Cable Cable Type         5           Jacket Color         orange           Type of Certificate         c)URus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, back, blue           Cable weigh         33 g/m           Material jacket         PUR           Strote hardness jacket         PUR           Strote hardness jacket         PUR           Outer diamoter (facket)         1.63 %.           Cable weigh         1.63 / rs.           Outer diamoter (facket)         1.5 %.           Material twin insulation         PP           Tolerance outer diamoter (facket)         1.5 %.           Store hardness wire insulation         1.25 rm           Outer diamoter insulation         1.5 %.           Store hardness wire insulation         1.5 %.           Store hardness for \$1.000000000000000000000000000000000000	Conformity	
Institution ( Cable           Cable infinition         845           Cable Type         5           Jacket Color         orange           Type of Carificata         cURus           Amount standing         1           Stranding         3 wires twisted           wires arrangement         brown, black, blue           Cable weigh         33 g/m           Material jocket         PUR           Shore hardness jacket         F4 4 5 Shore D           Freedom from ingredents (jacket)         14 5 %           Outer-diameter (jacket)         4 5 %           Outer-diameter (jacket)         4 5 %           Outer-diameter (jacket)         4 5 %           Shore hardness wire insulation         PP           Amount wires         3           Outer diameter (insulation         1 25 %           Shore hardness wire insulation         1 25 %           Shore bardness wire insulation         1 25 %	Product standard	DIN EN 61076-2-104 (M8)
Cable identification         845           Cable Type         5           Schold Color         orange           Type of Cartificate         cUPus           Amount standing         1           Stranding         3 wises twisted           wire arrangement         brown, black, blue           Cable weight         36 g/m           Material jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from ingendents (acket)         4.5 rm           Tolerance outer diameter (backt)         4.5 rm           Tolerance outer diameter (backt)         4.5 rm           Outer diameter insulation         PP           Amount wises         3           Outer diameter insulation         1.2 rm           Conductor rossection (wire)         0.3 rm?           Material conductor weise         0.1 rm           Conductor rossection (wire)         0.2	Installation   Cable	
Cable Type         5           Jacket Color         orange           Type of Certificate         C/Rus           Amount stranding         1           Stranding         3 wires twiteted           wire arrangement         brown, black, blue           Cable weight         33 g/m           Material jacket         PUR           Sinze hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         45 4 ± 5 Shore D           Tolerance outer diameter (holant)         1 5 %           Material jacket         9 P           Anount wires         3           Outer diameter (insulation         1, 25 mm           Cuber diameter insulation         1, 25 mm           Outer diameter insulation         73 ± 5 Shore D           Fineredoms wire insulation         73 ± 5 Shore D           Fineredoms wire insulation         73 ± 5 Shore D           Conduct or singet wires         0.1 mm           Conductor wires         0.1 mm           Conductor wires section (wire)         0.34 mm <sup>3</sup> Conductor wires         Stranded copper wire, baro           Conductor wires         Stranded copper wire, baro           Conductor wires         Stranded copper wire, baro <td< td=""><td></td><td>045</td></td<>		045
Jacket Color         orange           Type of Carificate         cURus           Amount standing         1           Stranding         3 wires twitted           wire arrangement         brown, black, blue           Cable weigh         33 g/m           Matorial Jocket         PUR           Strone hardness jucket         PUR           Strone hardness jucket         PUR           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Dater diameter (gacket)         4.5 mm           Outer diameter (gacket)         4.5 mm           Outer diameter insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.5 S.           Strone hardness wire insulation         1.5 S.           Dire diameter insulation         1.25 mm           Dire diameter insulation         1.25 shore D           Ingredient freeness wire insulation         1.45 mm           Conductor rows enclosed and the set of the cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Dameter of single wires         0.1 mm           Conductor rows enaduation		
Type of Certificate         cUPus           Amount stranding         1           Stranding         3 wires twisted           wire arrangement         brown, black, blue           Cable weigh         33 g/m           Material jacket         PUR           Store hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         last free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4,5 m           Tolerance outer diameter (jacket)         4,5 m           Atterial wei insulation         PP           Amount wice         3           Outer diameter insulation         1,25 mn           Outer diameter insulation         73 ± 5 Shore D           Ingredient teleness wire insulation         1,25 mn           Outer diameter insulation         1,87 mn           Conductor crossection (wire)         4,2           Diameter of single wires         0,1 mm           Conductor vise (wire)         4,2           Diameter of single wires         0,1 mm           Conductor vise (C-track)         5 m @ 25 °C   horizontal           Normi visel aca A         30 V           Current load capacity (fanded)         to IN VDE 628-4           Curent load capa		
Amount stranding     1       Stranding     9 wires twisted       wire arrangement     brown, black, blue       Cable weight     33 g/m       Material jacket     PUR       Shore hardness jacket     54 ± 5 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.5 mm       Tolerance outer diameter (jacket)     1.5 %       Material were insulation     PP       Amount wires     3       Outer diameter insulation     1.5 %       Shore hardness wire insulation     1.5 %       Shore hardness wire insulation     7.3 ± 5 Shore D       Ingredient freeness wire insulation     7.3 ± 5 Shore D       Ingredient freeness wire insulation     7.3 ± 5 Shore D       Ingredient freeness wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Canductor troess wire insulation     1.44 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor type (wire)     Stranded copper wire, bare       Conductor type (wire)     Stranded copper wire, bare       Conductor type (wire)     Stranded copper wire, bare       Current load capacity min. wire     6 A       E		
Stranding         Swites twisted           wire arrangement         brown, black, blue           Cable weigh         33 g/m           Material jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         48.4 rm           Tolerance outer diameter (jacket)         4.5 rm           Tolerance outer diameter (jacket)         4.5 rm           Tolerance outer diameter (jacket)         5 %           Amount wires         3           Outer diameter insulation         1.25 rm           Conductor or consellation         1.25 rm           Outer diameter insulation         1.26 rm           Ingredient freeness wire insulation         1.25 rm           Conductor or consellation         1.25 rm           Conductor wire         0.34 rm²           Diameter of single wires         0.1 rm           Conductor wire         0.4 rm           Material conductor wire         0.1 rm		
wire arrangement         brown, black, blue           Cable weight         33 g/m           Material jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         lead+ree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material jacket         PP           Amount wires         3           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 Sm           Duter diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 Sm           Danker of single wises         0,1 mm           Conductor crosssection (wire)         0,34 mm <sup>3</sup> Conductor wise         Stranded copper wire, bare           Conductor wise         Stranded copper wire, bare           Conductor wise         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal votagacity (standard)         to D1N VDE D280		
Cable weigh     33 g/m       Material jacket     PUR       Shore hardness jackel     64 : 5 Shore D       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4,5 mm       Tolerance outer diameter (sheath)     2 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter for single wires     0,1 mm       Conductor arcossection (wire)     0,24 mm <sup>2</sup> Diameter of single wires     0,1 mm       Conductor arcossection (wire)     0,34 mm <sup>2</sup> Material conductor wire     Strand class 6       Craver type (wire)     strand class 6       Craver type (wire)     strand class 6       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (wire- wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - wire)     2,5 kV @ 60 s       Min. operating temperature (statc)     40 °C       Max. operating temperature max. (dynamic)     425 °C       Operating temperat		
Material jacket         PUR           Shore hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         Iso Shore D           Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (shealth)         ± 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter (shealth)         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 %           Shore hardness wire insulation         1.82 first           Ingredient freeness wire insulation         1.84 firee, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor rows searction (wire)         0.34 mm <sup>2</sup> Outer diameter (stackt)         5 m @ 25 °C (I horizontal           Nominal voltage AG max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4		
Shore hardness jacket         54 ± 5 Shore D           Freedom from ingredients (jacket)         lead-free, cardmium-free, CFC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Arnount Wires         3           Outer diameter lolerance core insulation         1.25 mm           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter lolerance core insulation         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter (blerance core insulation         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter (blerance core insulation         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter (blerance core insulation         ± 5 %           Shore hardness wire insulation         1.25 mm           Outer diameter (blerance core insulation         1.25 mm           Outer diameter (blerance core insulation         1.25 mm           Outer diameter (blerance core insulation         1.25 mm           Conductor wires         Stranded copper wire, bare		-
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jackat)     4.5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     3       Outer diameter folloarnec or insulation     1.25 mm       Outer diameter folloarnec or insulation     1.25 mm       Outer diameter folloarnec or insulation     1.25 mm       Outer diameter folloarnec or insulation     1.45 %       Shore hardness wire insulation     1.25 shore D       Ingredient freeness wire insulation     1.45 %       Shore hardness wire insulation     1.45 %       Mount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Strande class 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity min. wire     6 A       Electrical resistance line constant wire     60 Ω/km @ 20 °C       AC withstand voltage (wire - wire)     2.5 kV @ 60 s       Min. operating temperature (static)     40 °C       Max. operating temperature (static)     40 °C       Max. operating temperature (static)<		-
Outer-diameter (jacket)         4,5 mm           Tolerance outer diameter (sheath)         1 5 %           Material wire insulation         PP           Amount wires         3           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 %           Shore hardness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor cosssection (wire)         0.34 mm <sup>2</sup> Conductor vire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C+rack)         5 m (25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire - wire)         2,5 kV @ 60 s           Power fraquency withstand voltage (wire - 2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Mix. operating temperature (static)         80 °C / 90 °C @ 10000 h Operation           Operating		
Tolerance outer diameter (sheath) $\pm$ 5 %Material wire insulationPPArnount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation73 ± 5 Shore DIngredient freeness wire insulation13 ± 5 Shore DIngredient freeness wire insulation142Diameter of single wires0,1 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded coper wire, bareConductor type (wire)stranded coper wire, bareCurrent load capacity (standard)to DINVDE 0298-4Current load capacity (winthing @ 0.25 K/W @ 0.5Power frequency withstand voltage (wire - 2.5 K/W @ 0.5Power frequency withstand voltage (wire - 2.5 K/W @ 0.5Min. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (		
Material wire insulationPPAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation5 %Shore hardness wire insulation73 ± 5 Shore DIngredient freeness wire insulationPA ± 5Joneter of single wires0,1 mmConductor cosssection (wire)0,34 mm²Conductor cosssection (wire)0,34 mm²Conductor vireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m $Q$ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (strandard)to DIN VDE 0298-4Current load capacity (strandard)to DIN VDE 0298-4Cob		
Amount wires     3       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     73 ± 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 or cossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strande copper wire, bare       Conductor type (wire)     strande copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor type (wire)     strande copper wire, bare       Conductor type (wire)     strande doss 6       Traversing distance (C-track)     5 m @ 25 °C   horizontal       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN VDE 0288-4       Current load capacity (standard)     to DIN W@ 0 °C       Ad withstand voltage (wire - interper sture)     2,5 kV @ 60 s       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -25 °C       Operating temperature (static)     -25 °C<	. ,	
Outer diameter insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         73 ± 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 wire         Stranded copper wire, bare           <		
Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation73 $\pm$ 5 Shore DIngredient freeness wire insulationIead-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 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298.4Current load capacity (standard)to DIN VDE 0298.4Current load capacity (standard)0.0 $\Omega km @ 20 °C$ AC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (kixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (kixed)80 °C / 90 °C @ 10000 h OperationFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGolie resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404 [Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m		
Shore hardness wire insulation         73 ± 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 rossection (wire)         0,34 mm <sup>a</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity wire wire)         2,5 kV @ 60 s		
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 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)60 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 (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CHarme resistanceUL 1581 § 1100 FT2   UL 1581 § 1100 J IC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterTarvel speed (C-track)10 Mio.	Outer diameter tolerance core insulation	
Amount strands (wire)42Diameter of single wires0,1 mmConductor rorssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)60 Q/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature (fixed)80 °C / 90 °C @ 10000 h OperationPrawer ing temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTarvel speed (C-track)10 Nio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Shore hardness wire insulation	
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         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Mominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298.4         Current load capacity (wine - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing <td< td=""><td>Ingredient freeness wire insulation</td><td></td></td<>	Ingredient freeness wire insulation	
Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       5 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       60 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - acket)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       God, application-related testing         Gasoline resistance       God, application-related testing         Gasoline resistance       DIN E N60811-404   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 c		42
Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         5 m @ 25 °C   horizontal           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         6 A           Electrical resistance line constant wire         60 Ω/km @ 20 °C           AC withstand voltage (wire - wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - jacket)         -40 °C           Min. operating temperature (static)         -40 °C           Max. operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature min. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2           chemical resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gil resistance         DIN EN 60811-404   Good, application-related testing           Bending radius		
Conductor type (wire)strand class 6Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire60 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acceleration acce		·
Traversing distance (C-track)5 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire6 AElectrical resistance line constant wire60 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 max. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       60 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - iacket)       -40 °C         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (fixed)       5 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.		
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       6 A         Electrical resistance line constant wire       60 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   Good, application-related testing         Bending radius (dynamic)       10 × Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion stress       ± 360 °/m		5 m @ 25 °C   horizontal
Current load capacity min. wire       6 A         Electrical resistance line constant wire       60 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       DIN EN 60811-404   Good, application-related testing         Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/m		
Electrical resistance line constant wire       60 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/m		to DIN VDE 0298-4
AC 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   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (cfrack)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Current load capacity min. wire	6 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 OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceOIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Electrical resistance line constant wire	60 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 OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	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 OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/m		80 °C / 90 °C @ 10000 h Operation
Flame resistance       UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/m		-25 °C
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Operating temperature max. (dynamic)	
Gasoline resistance       Good, application-related testing         Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/m	Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
Oil resistance       DIN EN 60811-404   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       1 Mio.         Torsion stress       ± 360 °/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       1 Mio.         Torsion stress       ± 360 °/m		
Bending radius (dynamic)       10 × Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       1 Mio.         Torsion stress       ± 360 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles1 Mio.Torsion stress± 360 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     1 Mio.       Torsion stress     ± 360 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 360 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	1 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 360 °/m
	Torsion speed	35 cycles/min

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