

## M12 female 90° A-cod. with cable

PUR 4x0.34 gy UL/CSA+drag ch. 8m

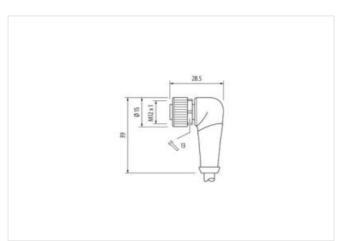
Female 90° M12, 4-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths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

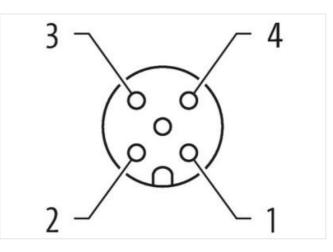
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-06

8 m

0,6 Nm



Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Material contact	Copper alloy
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879558914
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	250 V
Operating voltage DC max.	250 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed 3
Pollution Degree	
Rated surge voltage Material group (IEC 60664-1)	2,5 kV
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material Material screw connection	Zinc die-casting Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics   Climatic	
· ·	-25 °C
Operating temperature min.	
Operating temperature max.	85 °C

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Import         Protect Incomosion by suitable measures from machanical loads, e.a. by the usage of cable lies.           Nate on starding radius         Attention: Observe the permissible brinding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu when hying cables, as the IP protection class can be consultant to the starding radiu of the stardiu of the starding radiu	Additional condition temperature range	depending on cable quality
Note on bending radius         Attention: Chearer the permissible bending radii when laying cables, as the IP protection class can be endangered by accessive bending forces.           Contornity         Product standard         DN IN 61076 2-101 (M12)           Installation (Cable)         Cable           Cable identification         234           Cable identification         Q14           Cable identification         Q34           Stranding         4 wines twisted           wine arrangement         borom, black, blue, while           Torversing distance (C Irack)         D107 @ 23 °C (Instrontal Cable weight)         Q35 °C (Instrontal Cable weight)           Store thardness jacket         PUB           Store thardness jacket         PUB           Store thardness jacket         PUB           Outer-dimeter (plocket)         4.5 m           Outer dimeter (plocket)         4.5 m           Outer dimeter (strantal)         1.25 m           Cable from thom thardness with installation         1.25 m           Outer dimeter (strantal)         4.5 %           Cable from semalatont	Important installation notes	
Number leads         advagaged by accessive bending forces.           Conformity           Product standard         DN EN 61076 2-101 (M12)           Installiation I Cable         234           Cable Type         3           Cable Standard         Qify           Type of Carffication         Qify           Type of Carffication         Qify           Type of Carffication         Qify           Type of Carffication         Qify           Strandard         PUR           Strandard         Down, black, blue, while           Traversing distance (C head)         10 m @ 25 *C1 Interactual           Cable weigh         Sig 3 m           Material Jacket         PUR           Strone hordness Jacket         90 + 5 Stroe A           Freedom from ingredients (jacket)         4 stroe           Affree. cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter instandard         P P           Atomat wire installation         12 strone           Outer diameter instandard         72 strone           Outer diameter instandard         12 strone           Outer diameter instandard         12 strone           Outer diameter instandard         12 strone           Outer diameter instandard	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Pockat standard         DN EN 61078-2·101 (M12)           Installation (Eabe           Cable identification         234           Cable Type         3           Cable Color         grky           Type of Cattification         0/Fuso           Amount stranding         1           Stranding         4 wiss loaded           Wire arrangement         brown, black, blow, while           Traversing distance (C-rack)         10 m@ 25 *C1 horizontal           Cable weight         36,3 m           Material gabate         PUR           Strom hardnoss glock!         90.4 5 Shore A           Freadem frem ingredients (glocku)         16 S *M           Material gabate         91.8 Shore A           Forestorm from ingredients (glocku)         16 S *M           Material weinstation         91.4 Shore A           Cable - diameter installation         15 %           Material weinstation         12 S *m           Cable diameter installation         70.4 Shore D           Ingredient Freeness wein installation         12 S *m           Conduct diameter installation         12 S *m           Conduct diameter installation         12 S *m           Conduct type wirei         30.4 C           Conduct	Note on bending radius	
Instillation (Cable           Cable identification         29.4           Cable Type         3           Jacket Color         gray           Type of Certificate         URus           Amount starmfang         1           Starufing         4 wires kreisted           wires arrangement         bbms.bb. bbus witele           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable inwight         38.3 gm           Material jackst         PUR           Strone findings (acket)         9.0 5 Shore A           Freedom firm ingredients (gacket)         9.0 5 Shore A           Freedom form ingredients (gacket)         4.5 mm           Color diamotier (lacket)         4.5 fm           Color diamotier (lacket)         4.5 fm           Outer diamotier instalation         PP           Amount wires         4           Outer diamotier instalation         7.0 5 Shore D           Tingerdient freenses wire insulation         12.5 fm           Outer diamotier wire insulation         12.5 fm           Canductor presessection (wire)         4.2           Diamotier of single wires         16.5 f%           Mariati avie insulation         10.5 fM m           Conductor preses	Conformity	
Cable identification         234           Cable Type         3           Cable Type         3           Stocket Color         gray           Type of Certificates         cliPus           Annunt stranding         1           Traversing distance (C-track)         10 mg/25 *C   horizontal           Cable weigh         86.3 g/m           Taversing distance (C-track)         10 mg/25 *C   horizontal           Cable weigh         86.3 g/m           Material jacket         PUR           Shore hardness jacket         90 S Shore A           Freedom from ingredients (jacket)         18 ad-Yee, cadmium-free, CFC-free, halogen-free, silcone-free           Outer-diameter (jacket)         4.5 mm           Toreance outer diameter (silcakit)         1.5 %           Material wei insulation         12 S mm           Outer diameter tolerance oore insulation         15 %           Shore hardness wei insulation         12 S Shore D           Ingredient feeroses weire insulation	Product standard	DIN EN 61076-2-101 (M12)
Cable identification         234           Cable Type         3           Cable Type         3           Stocket Color         gray           Type of Certificates         cliPus           Annunt stranding         1           Traversing distance (C-track)         10 mg/25 *C   horizontal           Cable weigh         86.3 g/m           Taversing distance (C-track)         10 mg/25 *C   horizontal           Cable weigh         86.3 g/m           Material jacket         PUR           Shore hardness jacket         90 S Shore A           Freedom from ingredients (jacket)         18 ad-Yee, cadmium-free, CFC-free, halogen-free, silcone-free           Outer-diameter (jacket)         4.5 mm           Toreance outer diameter (silcakit)         1.5 %           Material wei insulation         12 S mm           Outer diameter tolerance oore insulation         15 %           Shore hardness wei insulation         12 S Shore D           Ingredient feeroses weire insulation	Installation   Cable	
Gable Type         3           Jackel Color         gray           Type of Cartificab         URus           Arnout stranding         1           Stranding         4 wise twited           wise arrangement         brown, black, blue, white           Traversing         4 wise twited           Material jocket         92 5 C Information           Cable weigh         83.3 g/m           Material jocket         90 ± 5 Shore A           Freedom from ingredents (jocket)         4.5 mm           Tolerance succe dimeter (sheath)         4.5 m           Outer -dimeter (jocket)         4.5 mm           Outer dimeter (instaltion         PP           Arnout wrise         4           Outer dimeter instaltion         1.5 %           Shore hardness were insulation         1.6 % shore D           Ingredient freeness wire insulation         2.6 % wire D           Ingredient freeness wi		234
Jacket Color         gray           Type of Certificate         cuRus           Anouni stranding         1           Stranding         4 wires twisted           iver arrangement         brown, black, blue, white           Traversing distance (C+track)         10 m @ 25 °C   horizontal           Cable weigh         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90.2 5 Shore A           Freedom from ingredents (jacket)         lead-free, cadinum-free, CFC-free, halogen-free, allocne-free           Outer-diameter (jacket)         4.5 mm           Toferance outer diameter (sheath)         1 5 %.           Material jakie insulation         PP           Anount wices         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.26 mm           Marrial conductor crossection (wire)         0.3 mm?           Material conductor crossection (wire)         0.34 mm?           Material conductor wire         Strandad copper wire, bare           Conductor crossection (wire)         0.34 mm? <td></td> <td></td>		
Type of Cartificate         cURus           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigh         36.3 g/m           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         16.4 free, cadmium-free, CFC-free, halogen-free, silicone-free           Cuter-diameter (jacket)         4.5 mm           Tolerance outer diameter (slacket)         4.5 mm           Cuter-diameter (jacket)         4.2 mm           Outer diameter insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.26 mm           Outer diameter insulation         10 ± 5 mm		
Anount stranding       1         Stranding       4 wires kvisted         wires arrangement       brown, black, ble, while         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Cable weight       36.3 g/m         Material jacket       PUR         Shore hardness jacket       90 ± 5 Shore A         Freedon from ingredients (jacket)       4.5 mm         Outer-diameter (jacket)       4.5 mm         Tolerance outer diameter (cheath)       1 5 %         Amount stranding       4         Outer diameter insulation       PP         Amount wires       4         Outer diameter insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       125 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       124 mm <sup>2</sup> Diameter of single wires       0,1 mm         Conductor wires       Stranded copper wire, bare         Outer diamoter link (wire)       51 strand class 6         Nominal voltage AC max.       300 V         Current load capacity (minumine 4.8 A         Electrical resistance line constant wire       57 O IAm @ 20 °C         Arwind Material woltage (wire- isckn)       2,5 KV @ 60 s		
Stranding         4 wires twisted           wire arrangement         brown, black, blue, white           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Gable weight         36.3 g/m           Material jacket         PUR           Shore hardness jackat         90.1 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CPC-free, halogen-free, silicone-free           Outer-diameter (jacket)         4.5 mm           Tolerance outer diameter (sload)         1.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.26 mm           Ingredient freeness wire insulation         1.26 mm           Conductor crosssection (wire)         0.34 mm <sup>2</sup> Conductor vires         Stranded copper wire, bare           Conductor vires<		
wire arrangement         brown. black, blue, white           Traversing distance (C-track)         10 m @ 25 °C [ horizontal           Cable weigh         36.3 g/m           Material jacket         PUR           Shore hardness jacket         90.5 5 Shore A           Freedom from ingredients (jacket)         18.4 dree, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (sheath)         5 %           Material wine insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter insulation         70.2 f Shore D           Ingredient treeness wire insulation         84           Conductor crossection (wire)         0.34 mm <sup>2</sup> Material conductor wire         Strand class 6           Nominal voltage AC max.         300 V           Cornductor type (wire)         strand class 6           Nominal voltage (vite - wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wite - wite)         2		
Traversing distance (C-track)         10 m @ 25 °C   horizontal           Cable weigh         36.3 g/m           Material jackat         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead tree, cadmium-free, CPC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (shealth)         ± 5 %           Matorial wire insulation         PP           Amount wires         4           Outer diameter (shealth)         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.24 mm           Ingredient freeness wire insulation         1.64 free, cadmium-free, CPC-free, halogen-free, silicone-free           Amount strands (wire)         4.2           Diameter of single wires         0.1 mm           Conductor type (wire)         Strand dass 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 028-4           Current load capacity (standard)         to DIN VDE 029 °C		
Cable weight         36,3 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)         4,5 mm           Tolerance outer diameter (sheath)         4,5 %           Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         70 ± 5 Shore D           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Current toad capacity (standard)         to DIN VDE 0298-4           Current toad capacity (standard)         to D		
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         4.5 mm           Outer diameter (jacket)         4.5 mm           Tolerance outer diameter (jacket)         4.5 %           Material wire insulation         PP           Amount wires         4           Outer diameter (jacket)         1.25 mm           Outer diameter rolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         1.25 mm           Outer diameter tolerance core insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         Iead free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount stands (wire)         42           Dameter of sile wires         0.1 mm           Conductor crosssection (wire)         0.34 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 cosper wire, bare           Conductor type (wire)         stranded cosper wire, bare           Conductor type (wire)         stranded cosper wire, bare           Conductor type (wire) <td></td> <td></td>		
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)         2,5 %           Matorial wire insulation         PP           Amount wires         4           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Outer diameter insulation         1,25 mm           Diard diameter outer acce core insulation         1,5 %           Shore hardness wire insulation         1,05 mm           Outer diameter outer acce core insulation         1,05 mm           Conductor crosses wire insulation         1,02 mm           Imareter of single wires         0,1 mm           Conductor rossescolin (wire)         0,34 mm²           Conductor rossescolin (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor rossescolin (wire)         0,34 mm²           Conductor rossescolin (wire)         0,34 mm²           Conductor wire         Stranded copper wire, bare           Conductor rossescolin (wire)         0,34 mm²           Conductor wire         Stranded copper wire, bare		
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           Ingredient freeness wire insulation         16 %           Mount Stands (wire)         42           Diameter of single wires         0,1 mm           Conductor crossection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strande copper wire, bare           Conductor type (wire)         strande copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor ty		
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 tolerance core insulation         ± 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         70 ± 5 Shore D           Ingredient freeness wire insulation         42           Diameter of single wires         0,1 mm           Conductor cossescion (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal vottage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity win. wire         4.8 A           Electrical resistance line constant wire         57 0 km @ 20 °C           Ac withstand voltage (wire - ise)         2,5 kV		
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       4         Outer diameter insulation       1,25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       tead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor trype (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (strandard)       to DIN VDE 0298-4         Current load capacity (wire - wire)       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)       -26 °C         Arabit resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing		-
Material wire insulation         PP           Amount wires         4           Outer diameter insulation         1.25 mm           Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0.1 mm           Conductor crosssection (wire)         0.34 mm <sup>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 0288-4           Current load capacity (standard)         to DIN VDE 0288-4           Current load capacity (wire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2.5 kV @ 60 s           Arout stand voltage (wire - wire)         2.5 kV @ 60 s           Min. operating temperature (istatic)         -40 °C           Max. operating temperature (istatic)         -40 °C           Max. operating temperature (istatic)         -50 °C 00000 h Operation           Operating temperature (istatic)         -50 °C 000000 h Operatio		· · · · · · · · · · · · · · · · · · ·
Amount wires       4         Outer diameter insulation       1.25 mm         Outer diameter tolerance core insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (mix- wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - ack (a max))       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max operating temperature (static)       -40 °C         Max operating temperature (mixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (static)       -40 °C         Max operating temperature (mixed)       80 °C / 90 °C @ 10000 h Operation         O		
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, cardium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor oxssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to 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 029.4           Current load capacity (standard)         to Nor (> 0.9 °C           Power frequency withstand voltage (wire - vire)         2.5 kV @ 60 s           Power frequency withstand voltage (wire - vire)         2.5 kV @ 60 s           <		
Outer diameter tolerance core insulation         ± 5 %           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire -         2,5 kV @ 60 s           Power frequency withstand voltage (wire -         2,5 kV @ 60 s           Ac withstand voltage (wire -         2,5 kV @ 60 s           Operating temperature (tixed)         80 °C / 90 °C @ 10000 h Operation           Max. operating temperature (tixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (tixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Geod, application-related testing           Gasoline resistance         Good, application-related		-
Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Amount strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to DIN VDE 0296 °C         Ac withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2,5 kV @ 60 s <td></td> <td></td>		
Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Amount strands (wire)         42           Diameter of single wires         0,1 mm           Conductor crosssection (wire)         0,34 mm <sup>2</sup> Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current load capacity (wine vine)         2,5 kV @ 60 s           Rower frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature max. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         IBC 60332-22 / UL 1581 § 1090   UL 1581 § 1100 FT2<		
Amount strands (wire)42Diameter of single wires0,1 mmConductor rosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - isk vertice)2,5 kV @ 60 sAC withstand voltage (wire - isk vertice)-40 °CMax. operating temperature (isked)80 °C / 90 °C @ 10000 h OperationOperating temperature (isked)80 °C / 90 °C @ 10000 h OperationOperating temperature (isked)80 °C / 90 °C @ 10000 h OperationChemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDiresistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceG		
Diameter of single wires       0,1 mm         Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current toad capacity (standard)       to DIN VDE 0298-4         Current toad capacity (standard)       to DIN VDE 0298-4         Current toad capacity (standard)       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - ispace)       2.5 kV @ 60 s         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEc 60332-2-2 I UL 1581 § 1000 I UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       <		
Conductor crosssection (wire)       0,34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (min. wire       4.8 A         Electrical resistance line constant wire       57 Q/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing<		
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. wire4.8 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2.5 kV @ 60 sPower frequency withstand voltage (wire - gacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi ravouter diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
Conductor type (wire)       strand class 6         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (ixed)       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       IEC 60332-2-2 I UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gil resistance       Good, application-related testing         Oil resistance       Good, app	. ,	·
Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       -40 °C         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature (static)       -25 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         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         Tavel speed (C-track)		
Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEC 60332-2-2   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing		
Current load capacity min. wire       4,8 A         Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2,5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing		
Electrical resistance line constant wire       57 Ω/km @ 20 °C         AC withstand voltage (wire - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - jacket)       2.5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature min. (dynamic)       -25 °C         Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         In x Outer diameter       Tavel speed (C-track)         Tavel speed (C-track)       10 Mio. @ 25 °C <tr< td=""><td></td><td></td></tr<>		
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 resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi ravisu (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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 resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing IDIN EN 60811-404Bending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		
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 resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi x Outer diameterTravel speed (C-track)Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Power frequency withstand voltage (wire -	
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 resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingNo. of torsion cycles10 x Outer diameterTorsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
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Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing   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		
Flame resistance       IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         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		80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer 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         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	
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	Gasoline 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	Oil resistance	
Bending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Bending radius (fixed)	
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No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m		
Torsion stress ± 180 °/m		

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