

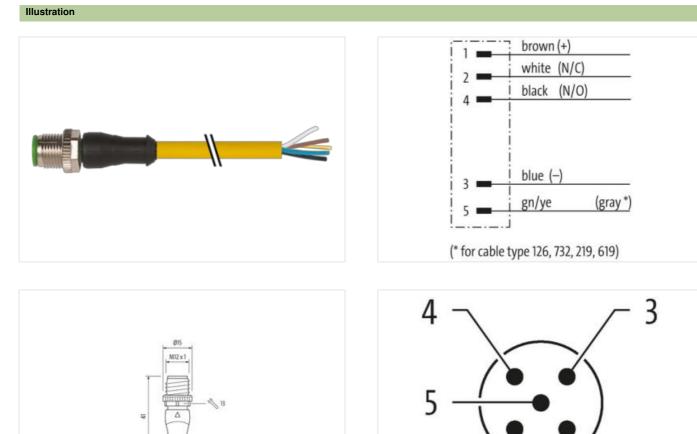
2

## M12 male 0° A-cod. with cable

PUR 5x0.34 ye UL/CSA+drag ch. 10m

Male straight A-coded M12, 5-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request. Plastic housings with good resistance against chemicals and oils.

## Link to Product



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: 2024-05-20

10 m

0,6 Nm

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Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	Α
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	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	4048879217392
Packaging unit	1
Electrical data   Supply	
Operating voltage AC max.	125 V
Operating voltage DC max.	125 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	
•	incontrol account
Additional condition protection degree Pollution Degree	inserted, screwed 3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
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
Additional condition temperature range	depending on cable quality
Important installation notes	·····
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

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Note on bending radius

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Institution (Cable)         Institution           Cable Spee         3           Lacked Color         yellow           Standard Standard Color filter twisted         Filter           Yellow         Yellow           Standard Standard Color filter twisted         Filter           Standard Color filter twisted         Filter           Standard Color filter twisted         Filter           Standard Colo	Conformity	
Cable identification126Cable Type3Stack ColoryellowType of centricateUPusAnount stranding1Standong5 wres around Core filer twistedStandong5 wres around Core filer twistedStandong5 wres around Core filer twistedStandong10Standong10Standong10Cable weigh41.9 µmMaterial jacket90.15 Shore ACable weigh80.15 Shore AShore hardness jacket80.15 Shore AOuter-diameter (isolet)4.8 µmMaterial jacket91.5 Shore ATohrano outor diameter (robath)15 %Dure-diameter (isolet)4.8 µmMaterial weis insulation10.5 NmOuter diameter (isolation)1.25 nmOuter diameter (isolation)1.34 nm²Material weis insulation1.9 ± 5 %Store Dardness wei insulation1.9 ± 5 %Conductor prosessection (wire)3.1 mm²Conductor yeis (wire)1.1 mm²Conduc	Product standard	DIN EN 61076-2-101 (M12)
Cable identification126Cable Type3Stack ColoryellowType of centricateUPusAnount stranding1Standong5 wres around Core filer twistedStandong5 wres around Core filer twistedStandong5 wres around Core filer twistedStandong10Standong10Standong10Cable weigh41.9 µmMaterial jacket90.15 Shore ACable weigh80.15 Shore AShore hardness jacket80.15 Shore AOuter-diameter (isolet)4.8 µmMaterial jacket91.5 Shore ATohrano outor diameter (robath)15 %Dure-diameter (isolet)4.8 µmMaterial weis insulation10.5 NmOuter diameter (isolation)1.25 nmOuter diameter (isolation)1.34 nm²Material weis insulation1.9 ± 5 %Store Dardness wei insulation1.9 ± 5 %Conductor prosessection (wire)3.1 mm²Conductor yeis (wire)1.1 mm²Conduc	Installation   Cable	
Cable Type         3           Lacket Coor         yellow           Type of Cartificate         CUIsis           Arnount stranding         1           Stranding         5 wires around Core filler Wisted           Filler         yellow           wite arrangement         brown, black, blue, white, gray           Cable weigh         41,8 g/m           Material gabet         90 ± 5 Shore A           Freedom Trom ingredients (jacket)         90 ± 5 Shore A           Freedom Trom ingredients (jacket)         4.8 mm           Toleranco ourd fametry (shore)         4.8 mm           Toleranco ourd fametry (shore)         5 %           Material wire insulation         1.5 %           Duter diameter insulation         1.5 %           Duter diameter insulation         1.2 5 mm           Duter diameter insulation         1.2 5 mm           Duter diameter insulation         1.2 5 mm           Duter diameter outer insulation         1.2 5 mm           Diameter of aingle wites         0, 1 mm           Diameter of aingle wites         <		126
Jacket Color Type of Carlinates cUPus Amount Standing 1 Stranding 5 wires around Core filter twisted Filter yes wire arangement torow, black, blae, white, gray wire arangement torow, black, blae, white, gray Cable weigh 41.8 g/m Material jackat PUR Shore hardness jacket 90 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer-diameter (jacket) 4.8 g/m Material jackat 90 ± 5 Shore A Freedom from ingredients (jacket) 1 ± 5 % Material wire insulation PP Namerola wire insulation 1.25 mm Outer diameter (jacket) 1 ± 5 % Shore hardness wire insulation 70 ± 5 Shore D Lead-free, cadmium-free, CPC-free, halogen-free, silicone-free Outer diameter (jacket) 4.8 g/m Material wire insulation 1.25 mm Outer diameter (jacket) 4.8 g/m Material wire insulation 70 ± 5 Shore D Ingredient freeness wire insulation 70 ± 5 Shore D		
Type of Cartilicate         cURus           Amount stranding         1           Stranding         5 wise around Core filler twisted           Filler         yes           wito arrangement         brown, black, blue, white, gray           Atlanding         41.8 g/m           Material jacket         PUR           Shore hardness jacket         90.5 Shore A           Freedom from ingrodients (jacket)         lead free, cadmium free, CFC free, halogen-free, allcone free           Outer adameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         5 %           Material jacket         PP           Anount stras         5           Outer diameter insulation         1.25 mm           Outer diameter insulation         1.25 Shore D           Fingredient freenaes wire insulation         1.25 Shore D           Ingredient freenaes wire insulation         1.25 Shore D           Conductor type wires         0.34 mm²           Conductor type wires         0.34 mm²           Conductor type wires         0.34 mm²           Conductor type (wire)         10 ND W 26 298-4           Current coar cagacity (strandard)         10 ND W 26 298-4           Current coar cagacity (strandard)         20 °C (20 °C @ 100000 h Operatio		
Anount stranding       1         Stranding       5 wires around Core filler twisted         Filler       yes         wire arrangement       brown, black, blue, white, gray         Cable weight       41,8 grim         Material jacket       PUR         Shore handross jacket       90.1 5 Shore A         Freedom from ingredients (jacket)       4.8 mm         Outer diameter (jacket)       4.8 mm         Toferance outer diameter (facket)       4.8 mm         Affectal wire insulation       PP         Anount twins       5         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.0 mm         Conductor researce core insulation       1.5 %         Material wire insulation       1.0 ± S thore D         Ingredient freeness wire insulation       1.0 ± S thore D         Ingredient freeness wire insulation       1.0 ± Mm²         Material outcuture wire       8.2 Mm²         Diameter of aingle wires       0.1 mm         Conductor type (wire)       8 trand dess 6         Traversing distance (C-track)       10 m @ 25 °C ( horicontal         Mominal voltage AC max.       300 V         Current loa		-
Stranding         S wires around Core tiller twisted           Filler         yes           wire arrangement         bown, black, bla, while, gray           Cable weigth         41.8 g/m           Material jacket         PUR           Shore hardness jacket         PUR           Dorder dimense jacket         PUR           Shore hardness jacket         PUR           Dater dimenter (jacket)         4.5 Shore A           Cable weigth         4.8 nm           Tolerance outer dimenter (jacket)         5.%           Dater diameter (jacket)         5.%           Material vire insulation         PP           Amount vires         5           Shore hardness wire insulation         1.25 mm           Outer diameter terinateriation         1.25 mm           Outer diameter view insulation         42 Northere           Shore hardness wire insulation         1.04 me           Tarvesting distances wire insulation         1.07 me           Diameter of single wires         0.1 mm           Conductor type (wire)         3.4 mm <sup>2</sup> <td></td> <td></td>		
Filter         yes           wite arrangement         brown, black, blue, white, gray           Sable weigh         41,8 g/m           Material jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         164 free, cadmium free, CFC-free, halogen-free, silicone-free           Outer-dimeter (jacket)         4,8 mm           Toterance outer diameter (sheath)         4,5 %           Material wire insulation         PP           Amount wires         5           Outer diameter tolerance ocre insulation         1,25 mm           Outer diameter tolerance ocre insulation         1,26 mm           Conductor crosssection (wire)         0,34 mm <sup>2</sup> Material conductor wires         Stranded copper wire, bare           Conductor type (wire)         strand dass 6           Torversing distance (Track)         10 m @ 25 °C 1 horizontal           Nomiral voltage (wire - wire)         2,5 kV @ 60 s           Poer topaqaany timm		
wire arrangement         brown, black, blue, while, gray           Cable weight         41,8 grn           Material jacket         PUF           Shore hardness jacket         90 ± 5 Shore A           Freadom from ingredients (acked)         lead-free, cadrium-free, CFC-free, halogen-free, allicone-free           Duter diameter (acked)         4.8 mm           Tolerance outer diameter (acked)         ± 5 %           Material jacket         5           Outer diameter (acked)         ± 5 %           Material wire insulation         1.25 mm           Outer diameter wire insulation         1.25 mm           Duter diameter wire insulation         1.25 Shore D           Ingredient freeness wire insulation         1.25 Shore D           Ingredient freeness wire insulation         1.24 Store ArTesse           Diameter of single wires         0.1 mm           Conductor wires         Stranded copper wire, bare           Conductor type (wire)         strand copper wire, bare           Conductor type (wire)         stranded copper wire, bare           Conductor type (wire)		
Cable weigh     41.8 g/m       Material jacket     PUR       Material jacket     90.2 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, OFC-free, halogen-free, silicone-free       Outer diameter (jacket)     4.8 mm       Toerance outer diameter (heath)     2.5 %       Material wire insulation     PP       Arnount wires     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.84 free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,1 mm       Conductor vipe     Straded copper wire, bare       Canductor vipe (wire)     Straded c		-
Material jacket         PUR           Shore hardness jacket         90 ± 5 Shore A           Freedom Trom Ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free           Duter diameter (jacket)         4.8 mm           Tolerance outer diameter (health)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1.25 mm           Duter diameter insulation         1.25 mm           Duter diameter insulation         1.25 mm           Duter diameter insulation         1.24 Shore D           Ingredient Leeness wire insulation         1.42 mm <sup>2</sup> Conductor vire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Conductor vire         Stranded copper wire, bare           Corrent 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           Cu		
Shore hardness jacket         90 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, halogen-free, silicone-free           Outer diameter (jacket)         4.8 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1,25 mm           Outer diameter insulation         ± 5 %           Shore hardness wire insulation         ± 5 %           Shore hardness wire insulation         1,25 mm           Outer diameter tolerance core insulation         ± 5 %           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 vise         Stranded copper wire, bare           Onductor lype (wire)         strand class 6           Traversing distance (C-track)         10 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 mix wire         4,5 A           Electricla resistan		
Freedom from ingredients (jacket)       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Duter diameter (jacket)       4.8 mm         Tolerance outer diameter (sheath)       1 5 %         Matorial wire insulation       PP         Arnount wires       5         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 mm         Outer diameter insulation       1.25 %         Share hardness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Amount strands (wire)       42         Diameter of singer wires       0.1 mm         Conductor crosssection (wire)       0.34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor vire)       strande class 6         Treversing distance (C-track)       10 m @ 25 °C (horizontal         Nominal voltage (wire)       5.7 Ωkm @ 20 °C         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4.5 A         Electrical resistance line constant wire       57 Ωkm @ 20 °C         AC withstand voltage (wire - wire)       2.5 KV @ 60 s         Power frequency withstand voltage (wire - sister)       2.5 KV @ 60 s         Min. operating temperature (isalit)		
Duter-diameter (jacket)       4,8 mm         Toferance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1.25 mm         Duter diameter insulation       1.25 mm         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free         Manout strands (wire)       42         Diameter of single wires       0,1 mm         Conductor crossection (wire)       0.34 mm²         Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-frack)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity (standard)       to C / 90 °C @ 10000 h Operation		
Tolerance outer diameter (sheath)       ± 5 %         Material wire insulation       PP         Amount wires       5         Outer diameter insulation       1.25 mm         Outer diameter insulation       ± 5 %         Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness 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>3</sup> Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity min. wire       4.5 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 - wire)       2.5 kV @ 60 s         Power frequency withstand voltage (wire - wire)       2.5 kV @ 60 s         Querating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max.		
Material wire insulation         PP           Amount wires         5           Outer diameter insulation         1.25 mm           Duter diameter insulation         1.25 Shore D           Shore hardness wire insulation         70 ± 5 Shore D           Ingredient freeness wire insulation         125 Shore D           Ingredient freeness wire insulation         124 Shore D           Diameter of single wires         0,1 mm           Conductor crossesciton (wire)         0,34 mm²           Diameter of single wires         0,1 mm           Conductor type (wire)         Strand dass 6           Conductor type (wire)         strand dass 6           Traversing distance (C-track)         10 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 (wint- wire)         2,5 kV @ 60 s           Power frequency withstand voltage (wire - wire)         2,5 kV @ 60 s           Min. operating temperature (static)         -40 °C           Mix. operating temperature (static)         -25 °C           Operating temperature mix. (dynamic)         80 °C / 90 °C @ 10000 h Operation           Operating temperature		· · · · · · · · · · · · · · · · · · ·
Amount wires         5           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)         strande copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor wire         Stranded copper wire, bare           Conductor type (wire)         strand class 6           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Norminal 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 wint. wire         4,5 K           Electrical resistance line constant wire         5,6 kV @ 60 s           Min. operating temperature (static)         40 °C <tr< td=""><td>. ,</td><td></td></tr<>	. ,	
Duter diameter insulation         1.25 mm           Duter 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 stands (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           Traversing distance (C-track)         10 m @ 25 °C   horizontal           Nominal voltage AC max.         300 V           Current load capacity (standard)         to DIN VDE 0298-4           Current l		
Duter diameter tolerance core insulation $\pm 5 \%$ Shore hardness wire insulation $70 \pm 5$ Shore DIngredient freeness wire insulationlead-free, cdfuium-free, CFC-free, halogen-free, silicone-freeAmount strands (wire) $42$ Diameter of single wires0,1 mmConductor orsessection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor orsessection (wire)strand class 6Traversing distance (C-track)10 m @ 25 °C   horizontalNominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - $2,5$ kV @ 60 sPower frequency withstand voltage (wire - $2,5$ kV @ 60 sActional preparating temperature (static)-40 °CActional preparating temperature (static)-40 °COperating temperature (static)-25 °COperating temperature (static)80 °C / 90 °C @ 10000 h OperationOperating temperature (static)-25 °COperating temperature (static)-25 °CDiresistanceGood, application-related testingCalcolion-related testingCalcolion-related testingCalcolion-related testingColor, application-related testingCalcolion related testing		
Shore hardness wire insulation       70 ± 5 Shore D         Ingredient freeness wire insulation       lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         Annount 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         Conductor type (wire)       strand class 6         Conductor type (wire)       strand class 6         Current load capacity min. wire       4,5 A         Current load capacity min. wire       4,5 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 - acc)       2,5 kV @ 60 s         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Cher		
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           Traversing distance (C-track)         10 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 (wine)         2,5 KV @ 60 s           Power frequency withstand voltage (wire -         2,5 KV @ 60 s           Row infix quere (static)         -40 °C           Max. operating temperature (static)         -40 °C           Max. operating temperature (static)         -25 °C           Operating temperature (static)         -25 °C           Operating temperature (static)         -25 °C           Operating temperature max. (dynamic)         -25 °C           Operating temperature (static)         -40 °C           Max. operating temperature (static)         -40 °C           Gasoline resistance         Go / 90 °C @ 10000 h Operation <td></td> <td></td>		
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         Traversing distance (C-track)       10 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       4.5 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 - acket)       40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (min. (dynamic)       -25 °C         Operating temperature (static)       40 °C         Max. operating temperature (static)       40 °C         Gascher       80 °C / 90 °C @ 10000 h Operation         Operating temperature (static)       40 °C         Gascher eresistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Goil application-		
Namedra Standag (wine)         Diameter of single wires       0,1 mm         Conductor rossesection (wire)       0,34 mm <sup>2</sup> Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 m @ 25 °C   horizontal         Nominal voltage AC max.       300 V         Current load capacity (standard)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 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 - acket)       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (fixed)       80 °C / 90 °C @ 10000 h Operation         Operating temperature (static)       -40 °C         Mare comparison       2,5 kV @ 60 s         Min. operating temperature (static)       -40 °C         Max. operating temperature (static)       -40 °C         Max. operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       -25 °C         Operating temperature min. (dynamic)       60 °C / 90 °C @ 10	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)         10 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)         57 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 (fixed)         80 °C / 90 °C @ 10000 h Operation           Operating temperature (fixed)         80 °C / 90 °C @ 10000 h Operation           Flame resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Gasoline resistance         Good, application-related testing           Oll resistance         Good, application-related testing           Bending radius (fixed)         5 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter           Bending radius (dynamic)         10 x Outer diameter <td>Amount strands (wire)</td> <td>42</td>	Amount strands (wire)	42
Material conductor wire       Stranded copper wire, bare         Conductor type (wire)       strand class 6         Traversing distance (C-track)       10 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)       to DIN VDE 0298-4         Current load capacity min. wire       4,5 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 - 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         Operating temperature max. (dynamic)       -25 °C         Operating temperature max. (dynamic)       -25 °C         Operating temperature max.       Good, application-related testing         Gasoline resistance       Good, application-related testing         Cil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance	Diameter of single wires	0,1 mm
Conductor type (wire)strand class 6Traversing distance (C-track)10 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. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acket)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 OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2.2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,34 mm²
Traversing distance (C-track)10 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. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi resistanceGood, application-related testingBending radius (fixed)5 × Outer diameterTravel speed (C-track)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - acket)2,5 kV @ 60 sNin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingColl resistanceGood, application-re	Conductor type (wire)	
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sPower frequency withstand voltage (wire - lacket)2,5 kV @ 60 sOperating 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 OperationChemical resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Current load capacity min. wire       4,5 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 - iacket)       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   IEC 60332-2-2   UL 1581 § 1090         Chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing	Nominal voltage AC max.	300 V
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 - iacket)       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   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         In No. @ 25 °C       No. of torsion cycles	Current load capacity (standard)	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 (ixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingIn ravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	4,5 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   IEC 60332-2-2   UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingDi radius (fixed)5 × Outer diameterBending radius (dynamic)10 × Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	57 Ω/km @ 20 °C
jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090Chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/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   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceGood, application-related 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 - jacket)	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   IEC 60332-2-2   UL 1581 § 1090chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceGood, application-related testing   DIN EN 60811-404Bending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)       80 °C / 90 °C @ 10000 h Operation         Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         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	Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Flame resistance       UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090         chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Oil resistance       Good, application-related testing         Dil 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	Operating temperature min. (dynamic)	-25 °C
chemical resistance       Good, application-related testing         Gasoline resistance       Good, application-related testing         Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Gasoline 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	Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
Oil resistance       Good, application-related testing   DIN EN 60811-404         Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	chemical resistance	Good, application-related testing
Bending radius (fixed)       5 x Outer diameter         Bending radius (dynamic)       10 x Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Gasoline resistance	Good, application-related testing
Bending radius (dynamic)       10 × Outer diameter         Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Oil resistance	Good, application-related testing   DIN EN 60811-404
Travel speed (C-track)       10 Mio. @ 25 °C         No. of torsion cycles       2 Mio.         Torsion stress       ± 180 °/m	Bending radius (fixed)	5 x Outer diameter
No. of torsion cycles     2 Mio.       Torsion stress     ± 180 °/m	Bending radius (dynamic)	10 x Outer diameter
Torsion stress ± 180 °/m	Travel speed (C-track)	10 Mio. @ 25 °C
	No. of torsion cycles	2 Mio.
Torsion speed 35 cycles/min	Torsion stress	± 180 °/m
	Torsion speed	35 cycles/min

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: 2024-05-20

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