

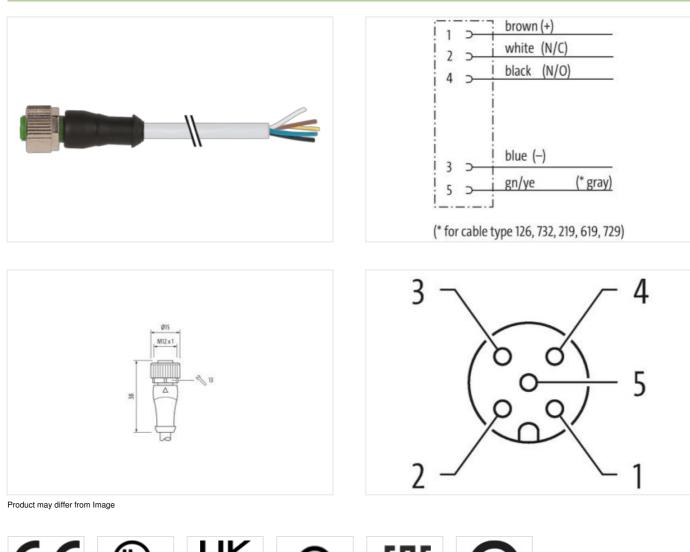
## M12 female 0° A-cod. with cable

PVC 5x0.34 gy UL/CSA 10m

Female straight M12, 5-pole A-coded Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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







**G**P

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: 2024-04-26

US

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Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	10 mm
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
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	4048879629638
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
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	
Mechanical data   Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data   Mounting data	
Mounting method	inserted, screwed, Shaking protection
-	
Environmental characteristics   Climatic	2

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Additional condition temperature range     depending on cable quality       Conternity     Product standad       Devoluct standad     DIN EN 81076-2-101 (M12)       Installation I Cable     Installation I Cable       Cable Type     1       Jacket Color     gray       Additional Conflicate     CHUae       Amount stranding     1       Stranding     5 wires around Core lifter twisted       Filer     yss       Wire arrangement     brown, black, blue, white, gray       Cable value     Add 4 (in       Material jackst     PVC       Shore hardness jackst     B5 15 Shore A       Foreord morn ingredient (glockit)     5.2 mm       Outer diameter (jacker)     5.2 mm       Outer diameter insulation     PVC       Arnout twise     5       Outer diameter insulation     1.5 % mm       Material wire insulation     4.5 ± Shore D       Material wire insulation     4.5 ± Shore D       Material wore insulation     4.5 ± Shore D       Material wore insulation     4.5 ± Shore D       Materi dorniciter wire insulation     4.5 ± Sh	Operating temperature min.	-25 °C
Contomity     Product standard     DIN EN 1076-2-101 (M12)       Installation (Cable     Cable identification     219       Cable identification     219     Cable identification     219       Cable identification     01Pus     Cable identification     219       Type of Certificate     01Pus     Cable identification     219       Stranding     1     Stranding     1       Stranding     5 vices around Core lifler twisted     200       Filer     vise     arrangement     Edite weight     48,4 g/m       Material jacket     PVC     Stranding     Stranding     200       Forebardmenter igkacht)     18,5 %     Stranding     201 <t< td=""><td>Operating temperature max.</td><td>85 °C</td></t<>	Operating temperature max.	85 °C
Product standard     DIN EN 61076 2-101 (M12)       Installation (Cable     Cable identification     219       Cable identification     219     Cable Color     gray       Open of Certificate     ol/Fund     gray     Cable Color     gray       Type of Certificate     ol/Fund     Sintanding     1       Stranding     5 wires around Core filler twisted     Sintanding     Sintanding     Sintanding       Filer     yes     Sintanding     Sintanding <ths< td=""><td>Additional condition temperature range</td><td>depending on cable quality</td></ths<>	Additional condition temperature range	depending on cable quality
Installation (Cable       Cable infeatinication     219       Cable Type     1       Cable Type     1       Cable Type     1       Stander Colon     gray       Type of Carificate     UPus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     ye6       wire arrangernot     trow, black, bloo, white, gray       Cable woigh     48.4 g/m       Miterial jacket     85 ± 5 Shore A       Freedom Trom ingredients (jacket)     lead-free, cadmum/ree, CPC-free, silcone-free       Outer diameting (jacket)     25 m       Carie woigh     25 %       Material woir insulation     PVC       Anount wries     5       Outer diameting (jacket)     25 %       Material wrie insulation     125 mm       Outer diameting insulation     125 mm       Outer diameting insulation     125 mm       Outer diameting insulation     180 ord material wrie insulation       Nore diameter insulation     180 mm       Outer diameting insulation     180 sin  <	Conformity	
Cable identification     219       Cable Type     1       Cable Type     1       Stacket Calor     Gray       Type of Cartificate     cUFus       Amount stranding     1       Standing     Swies around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     48, dym       Matorial jacket     86 ± 5 Shore A       Freedom from ingredients (jacket)     52, Shore A       Tereadom tere (incket)     5, 2 kmm       Cable aveigh     48, ± 5 Shore A       Cable aveigh insulation     PVC       Amount wires     5       Cuber diameter (incket)     5, 2 km       Outer diameter insulation     PVC       Amount wires     5       Outer diameter insulation     125 Km       Outer diameter insulation     125 Km       Outer diameter insulation     19       Diameter of single wires     0,16 mm       Conductor rosseation (mix)     57 D/Km @ 20 °C       Current Load capacity mix, wire     45.4 S	Product standard	DIN EN 61076-2-101 (M12)
Cable identification     219       Cable Type     1       Cable Type     1       Stacket Calor     Gray       Type of Cartificate     cUFus       Amount stranding     1       Standing     Swies around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     48, dym       Matorial jacket     86 ± 5 Shore A       Freedom from ingredients (jacket)     52, Shore A       Tereadom tere (incket)     5, 2 kmm       Cable aveigh     48, ± 5 Shore A       Cable aveigh insulation     PVC       Amount wires     5       Cuber diameter (incket)     5, 2 km       Outer diameter insulation     PVC       Amount wires     5       Outer diameter insulation     125 Km       Outer diameter insulation     125 Km       Outer diameter insulation     19       Diameter of single wires     0,16 mm       Conductor rosseation (mix)     57 D/Km @ 20 °C       Current Load capacity mix, wire     45.4 S	Installation   Cable	
Cable Type     1       Jackit Color     gray       Jackit Color     gray       Jackit Color     gray       Jackit Color     gray       Type of Carfficate     URus       Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     Yes       Cable weigh     48.4 g/m       Matarial jacket     PVC       Shore hardness jacket     85.5 Shore A       Freedom Trom ingredents (jacket)     5.2 mm       Toferance outer diameter (lekett)     5.2 mm       Toferance outer diameter (lekett)     5.5 mm       Outer diameter insulation     PVC       Anount wise     5       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.26 mm       Diameter of single wires statestonthyme     1.25 mm <tr< td=""><td></td><td>210</td></tr<>		210
Jacket Color     gray       Type of Certification     cURus       Amount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     48,4 g/m       Material jacket     PVC       Shore hardmess jackel     B5 ± 5 Shore A       Shore hardmess jackel     B5 ± 5 Shore A       Shore hardmess jacket     FVC       Shore hardmess jacket     B5 ± 5 Shore A       Shore hardmess jacket     B6 ± 5 Shore A       Tolerance outler dameter (sheath)     1 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter (insulation     1,25 mm       Outer diameter insulation     4 5 ± 5 Shore D       Material proparties wire insulation     good machinability       Impredient freeness wire insulation     good machinability       Impredient freeness wire insulation     19 ± 5 Shore D       Material arroparties wire insulation     19 ± 5 Shore CF-free, silicone-free       Anount strands (wire)     19 <td< td=""><td></td><td></td></td<>		
Type of Certificate     cURus       Amount stranding     1       Stranding     5 wircs around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigh     44, 4 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     5,2 mm       Tolerance outler diameter (jacket)     5,2 mm       Tolerance outler diameter (jacket)     5,2 mm       Outer-diameter (jacket)     5,2 mm       Coller diameter insulation     PVC       Amount wires     5       Outer diameter insulation     PVC       Amount wires     5       Outer diameter insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     45 ± 5 Shore D       Material properties wire insulation     19       Diameter of single wires     0,15 mm       Conductor mores wire insulation     10 DN NED 6298-4       Current load capacity (learndard)     10 DN NED 6298-4       Current load		
Anount stranding     1       Stranding     5 wires around Core filler twisted       Filler     yes       wire arangement     brown, black, blue, white, gray       Cable weight     48,4 g/m       Material jacket     PVC       Shore hardness jacket     65 ± 5 Shore A       Freedom from ingredients (gacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (gacket)     ± 5 %       Tolerance outer diameter (sheatth)     ± 5 %       Material insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter insulation     45 ± 5 Shore D       Material properities wire insulation     45 ± 5 Shore D       Material properities wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor wire     Straded copper wire, bare       Conductor wire     Straded copper wire, bare       Conductor wire     Straded copper wire, bare       Conductor wire     St		
Stranding     5 wires around Core filler twisted       Filler     yes       wire arrangement     brown, black, blue, white, gray       Cable weigth     48,4 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.2 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter (locket)     1.5 %       Shore hardness wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     god machinability       Ingredient freeness wire insulation     feed-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor crossection (wire)     0.34 mm²       Conductor wire     Stranded copper wire, bare       Conductor vise (wire)     10 NIV DE 0298 - 4       Current load capacity rim, wire<		
Filler yes   wire arrangement brown, black, blue, white, gray   Cable weigth 48,4 g/m   Material jacket PVC   Shore hardness jacket 85 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, OFC-free, silicone-free   Outer diameter (lacket) ± 5 %   Material incidents 5   Outer diameter (lacket) ± 5 %   Material invire insulation PVC   Amount wices 5   Outer diameter (sheatth) ± 5 %   Shore hardness wire insulation 1,25 mm   Outer diameter tolerance core insulation ± 5 %   Shore hardness wire insulation good machinability   Ingredient freeness wire insulation good machinability   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free   Amount strads (wire) 19   Diameter of single wires 0.15 mm   Conductor rope (wire) Strand dcass 5   Current lad capacity (standard) to DIN VDE 0298.4   Curr		
vire arrangement     brown, black, blue, while, gray       Cable weight     48,4 g/m       Cable weight     48,4 g/m       Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-tree, cadmium-free, CFC-free, silicone-free       Outer diameter (jacket)     5,2 mm       Tolerance outer diameter (sheath)     5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter of insulation     1,25 mm       Outer diameter insulation     1,25 mm       Outer diameter service insulation     god machinability       Ingredient freeness wire insulation     god machinability       Onductor crossection (wire)     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Current load capacity mits. wire		
Cable weigth 48.4 g/m   Material jacket PVC   Shore hardness jacket 85.4 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free   Outer-diameter (gacket) 5.2 mm   Tolerance outer diameter (sheath) ± 5 %   Material wire insulation PVC   Amount wires 5   Outer-diameter rolerance ocor insulation ± 5 %   Shore hardness wire insulation 45 ± 5 Shore D   Material wire insulation 45 ± 5 Shore D   Material properties wire insulation 45 ± 5 Shore D   Material properties wire insulation good machinability   Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free   Amount strands (wire) 19   Diameter of single wires 0.15 mm   Conductor crossection (wire) 0.34 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor type (wire) Strande copper wire, bare   Current load capacity (standard) to DIN VDE 028-4   <		-
Material jacket     PVC       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (gacket)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter core insulation     1.25 mm       Outer diameter core insulation     ± 5 %       Shore hardness wire insulation     5       Outer diameter lolerance core insulation     ± 5 %       Shore hardness wire insulation     65 ± 5 Shore D       Material properties wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor russescetion (wire)     0.34 mm²       Conductor russescetion (wire)     Strand class 5       Current load capacity min. wire     4.5 A       Electrical resistance line constant wire     57 2 /km @ 20 °C       Nominal voltage power AC max.     300 V       Power factureny withstand voltage power (wire - wire)     2 kV @ 60 s       Min. operating temperature (fixed)     30 °C       Opperating temperature (fixe		
Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5,2 mm       Tolerance outer diameter (sheath)     1 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter insulation     4 5 %       Shore hardness wire insulation     4 5 ± 5 Shore D       Material properties wire insulation     4 5 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor or sossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Control cor cossection (wire)     0,34 mm²       Material resistance line constant wire     57 Q/km @ 20 °C       Control cod capacity (standard)     to DIN VDE 0298-4       Current load capacity min, wire     4,5 A  <		-
Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     5.2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material wire insulation     god machinability       Ingredient freeness wire insulation     god machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diametor of single wires     0.15 mm       Conductor crosssection (wire)     0.34 mm²       Conductor wire     Strande copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity (standard)     to DN VDE 208-4       Current load capacity (standard)     to DN VDE 208-4       Current load capacity win, wire     4.5 A       Electrical resistance line constant wire     57 Ωkm @ 0 °C       Nominal voltage power (wire - wire)     2 kV @ 60 s  M		
Outer-diameter (jacket)     5.2 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1.25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0.15 mm       Conductor crossection (wire)     0.34 mm²       Material conductor wire     Strande closep strande close		
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount Wires   5     Outer diameter insulation   1.25 mm     Outer diameter insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 Shore D     Material properties wire insulation   god machinability     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   19     Diameter of single wires   0,15 mm     Conductor rossesction (wire)   0.34 nm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   Stranded copper wire, bare     Conductor type (wire)   Strand class 5     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity withstand voltage power   2 kV @ 60 s     Minia voltage power (wire -wire)   2 kV @ 60 s     Min. operating temperature (static)   -30 °C </td <td></td> <td></td>		
Material wire insulation     PVC       Amount wires     5       Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     god machinability       Ingredient freeness wire insulation     god machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN		
Amount wires   5     Outer diameter insulation   1,25 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   45 ± 5 hore D     Material properties wire insulation   good machinability     Ingredient freeness wire insulation   lead/ree, cadmium-free, CFC-free, silicone-free     Amount strands (wire)   19     Diameter of single wires   0,15 mm     Conductor rows   Stranded copper wire, bare     Conductor wire   Strande copper wire, bare     Conductor type (wire)   Strande copser 4     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   4,5 A     Electrical resistance line constant wire   5 20km @ 20 °C     Nominal voltage power AC max.   300 V     Power frequency withstand voltage power   2 kV @ 60 s     Min. operating temperature (static)   -30 °C     Age-variating temperature (katic)   -30 °C     Operating temperature (katic)   -5 °C <t< td=""><td></td><td></td></t<>		
Outer diameter insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     god machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor type (wire)     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare       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       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (fixed)     80 °C       Operating temperature (max. (dynamic))		
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor cossection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity win. wire     4,5 A       Electrical resistance line constant wire     57 Ω/km @ 20 °C       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Operating temperature (static)		
Shore hardness wire insulation     45 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor cossection (wire)     0,34 mm²       Material conductor wire     Strande copper wire, bare       Conductor type (wire)     Strand class 5       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       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power (wire - jacket)     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (static)     -5 °C       Operating temperature (min. (dynamic)     -5 °C       Operating temperature max. (dynamic)     80 °C       Flame resistance     Good, application-related testing       Operating temperature fixed     80 °C       Power frequency     Good, application-related testing       Oil resistance     Good,		
Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current 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 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sMat. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature min. (dynamic)5 °COperating temperature min. (dynamic)5 °COperating temperature max. (dynamic)80 °COperating temperature max. (dynamic)80 °COperating temperature max. (dynamic)5 °CIman eresistanceElec 6032-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testing<		
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     19       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     0,34 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     Strand class 5       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       Nominal voltage power AC max.     300 V       Power frequency withstand voltage power     2 kV @ 60 s       Min. operating temperature (static)     -30 °C       Max. operating temperature (static)     -30 °C       Operating temperature (fixed)     80 °C       Flame resistance     IEC 60332-2-2   UL 1581 § 1009   UL 1581 § 1100 FT2       Ieaneresistance     IEC 60332-2-2   UL 1581 § 1009   UL 1581 § 1100 FT2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, application-related testing       Gasoline resistance     DIN EN 60811-404   Good, applicati	Shore hardness wire insulation	45 ± 5 Shore D
Amount strands (wire)19Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Q/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sMar. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (ixed)80 °CCording temperature min. (dynamic)-5 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceElec 60332-2-2   UL 1581 § 1000   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceDix Application-related testingOil resistanceDix Application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Material properties wire insulation	
Diameter of single wires0,15 mmConductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current 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 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sKir e - jacket)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature min. (dynamic)80 °CFlame resistanceElec 60332-2-2   UL 1581 § 100   UL 1581 § 1100 FT2chemical 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 diameter		
Conductor crosssection (wire)0,34 mm²Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical 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 diameter	Amount strands (wire)	19
Material conductor wireStranded copper wire, bareConductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical 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 diameter	Diameter of single wires	0,15 mm
Conductor type (wire)Strand class 5Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical 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 diameter	Conductor crosssection (wire)	0,34 mm <sup>2</sup>
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (static)-30 °COperating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 × Outer diameter	Material conductor wire	Stranded copper wire, bare
Current load capacity min. wire4,5 AElectrical resistance line constant wire57 Q/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMax. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Conductor type (wire)	Strand class 5
Electrical resistance line constant wire57 Ω/km @ 20 °CNominal voltage power AC max.300 VPower frequency withstand voltage power2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical 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 diameter	Current load capacity (standard)	to DIN VDE 0298-4
Nominal voltage power AC max.300 VPower frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Current load capacity min. wire	4,5 A
Power frequency withstand voltage power (wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Electrical resistance line constant wire	57 Ω/km @ 20 °C
(wire - jacket)2 kV @ 60 sAC withstand voltage power (wire - wire)2 kV @ 60 sMin. operating temperature (static)-30 °CMax. operating temperature (fixed)80 °COperating temperature min. (dynamic)-5 °COperating temperature max. (dynamic)80 °CFlame resistanceIEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameter	Nominal voltage power AC max.	300 V
Min. operating temperature (static)   -30 °C     Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   80 °C     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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
Max. operating temperature (fixed)   80 °C     Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   80 °C     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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	AC withstand voltage power (wire - wire)	2 kV @ 60 s
Operating temperature min. (dynamic)   -5 °C     Operating temperature max. (dynamic)   80 °C     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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic)   80 °C     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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Max. operating temperature (fixed)	80 °C
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   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
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	Operating temperature max. (dynamic)	80 °C
Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 5 x Outer diameter	Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (dynamic) 10 x Outer diameter	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter

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: 2024-04-26

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