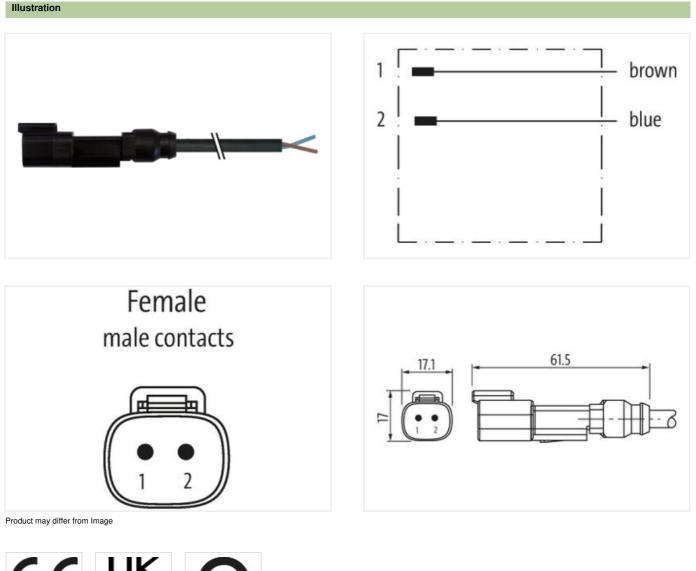


## Valve plug MDC04-2p with cable

PUR 2x0.75 bk UL/CSA+drag ch. 2m

Xtreme - Outdoor Female straight 6...230 V AC/DC 2-pole without components 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





Cable length

2 m

## Side 1

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-07

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Mounting method	inserted
Coating contact	nickel plated
Family construction form	MDC
Material contact	Copper alloy
No. of poles	2
Side 2	
Stripping length (jacket)	20 mm
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879759342
Packaging unit	1
Electrical data   Supply	
Operating voltage AC min.	6 V
Operating voltage AC max.	230 V
Operating voltage DC min.	6 V
Operating voltage DC max.	230 V
Current operating per contact max.	8 A
Diagnostics	
Status indication LED	no
Installation   Connection	
Stripping length (jacket)	20 mm
Family construction form	Amphenol AT04-2P
Device protection   Electrical	
Degree of protection (ISO 20653:2013)	IP66K, IP68, IP69K
Pollution Degree	2
Rated surge voltage	2.5 kV
Material group (IEC 60664-1)	
Additional suppressor	without components
Mechanical data   Material data	
Material gasket	Silicon
Material bousing	PA
-	
Mechanical data   Mounting data	
Looking techniques	Snap-in connector
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.
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.
Installation   Cable	

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Cabb Type     3       Jacket Cobr     black       Zype of Certificate     cURus       Amount stranding     1       Stranding     2 vires lowised       Weis arrangement     brown, bule       Traversing distance (C-track)     10 @ 25 °C   horizontal       Cabb weigh     40.7 g/m       Material jacket     PUR       Shore hardness jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (indexh)     5 %       Matorial wire insulation     PP       Anount wires     2       Outer diameter (indexh)     1 5 %       Matorial wire insulation     1 7 mm       Outer diameter (indexh)     1 4 5 %       Shore hardness wire insulation     1 5 %       Ingredient freeness wire insulation     1 5 %       Material diverse insulation     1 5 %       Material diverse insulation     1 5 %       Material diverse insulation     1 5 %       Material dinductor insulation     7 2 5 Shore D <th>Cable identification</th> <th>754</th>	Cable identification	754
Type of Certificate     cURue       Amount stranding     1       Stranding     2 wires twisted       wire arrangement     brown, blue       Traversing distance (C track)     10 m @ 25 °C   horizontal       Cable weigh     40 7 g/m       Material jackat     PUR       Shohe hardness jack1     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, sillcone-free       Outer-diameter (jacket)     5 mm       Tolerance outer drameter (stack)     5 mm       Outer diameter insulation     PP       Amount wires     2       Outer diameter insulation     1.7 run       Outer diameter insulation     7.0 ± 5 Shore D       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Ingredient freeness wire insulation     1.9 ± 5 Nore DD       Conductor type (wire)     0.15 mm <t< td=""><td>Cable Type</td><td>3</td></t<>	Cable Type	3
Amount stranding     1       Stranding     2 wires twisted       wire arrangement     brown, blue       Traversing distance (C-track)     10 m @ 25 *C   horizontal       Cable weight     40,7 g/m       Matcrial jackst     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material jackst     PP       Amount wires     2       Outer diameter (sheath)     ± 5 %       Shore hardness wire insulation     1,7 mm       Outer diameter insulation     1,7 mm       Outer diameter insulation     1,7 mm       Conductor crossection (wirel)     42       Diameter for single wires     0.15 mm       Conductor crossection (wire)     0,75 mm <sup>3</sup> Material concluctor wire     Slow + Stranded copper wire, bare       Conductor vires CM max     300 V       Current load capacity (itandard)     1D IN VE 6298-4       Current load capacity (itandard)     1D IN VE 6298-4       Current load capacity (itandard)     1D IN VE 6	Jacket Color	black
Stranding     2 wires twisted       wire arrangement     brown, blue       Traversing distance (Crack)     10 m @ 25 °C [hoizontal       Cable weight     40.7 g/m       Material jacket     PUR       Strone hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, caffmum-free, CPC-free, halogen-free, silicone-free       Uiter diametic (jacket)     ± 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter (sheath)     ± 5 %       Material wire insulation     1.7 mm       Outer diameter wire insulation     1.2 mm       Outer diameter wire insulation     1.5 Shore D       Toward wire wire insulation     1.2 mm       Outer diameter wire insulation     1.2 mm       Outer diameter wire insulation     1.2 mm       Targeter wire insulation     1.2 mm       Conductor rossection (wire)     0.75 mm <sup>2</sup> Material work     0.15 mm       Conductor type (wire)     Strand capper wire, bare       Conductor type (wire)     Strand Capper wire, bare       Conductor type (wire)     2.5 KW @ 60 s	Type of Certificate	cURus
wire arrangement     brown, blue       Traversing distance (C-track)     10 m @ 25 °C [ horizontal       Cable weigh     40,7 g/m       Material jacket     PUR       Shor hardness jacket     90 ± 5 shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter lolarance core insulation     1.7 mm       Outer diameter lolarance core insulation     70 ± 5 shore D       Ingredient ficeness wire insulation     70 ± 5 shore D       Ingredient ficeness wire insulation     70 ± 5 shore D       Ingredient ficeness wire insulation     70 ± 5 shore D       Ingredient ficeness wire insulation     81 ± 4       Diameter of single wires     0.15 mm       Conductor wires     Stranded copper wire, bare       Onductor wire     Stranded copper wire, bare       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity min, wire     12 Å       Electrical resistance	Amount stranding	1
Traversing distance (C-track)     10 m @ 25 °C   horizontal       Cable weight     40,7 g/m       Material jacket     PUR       Shore hardness jackat     90 1 5 Shore A       Freedom from ingredients (jacket)     lead-tree.cadmium-free. CFC-free, halogen-free, silicone-free       Outer diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     1 5 %       Material jacket     PP       Amount wires     2       Outer diameter tolerance ore insulation     1,7 mm       Outer diameter tolerance ore insulation     1 5 %       Shore hardness wein insulation     10 4 5 %       Ingredient freeness wire insulation     10 4 5 %       Dameter of single wises     0,15 mm       Conductor crosssection (wire)     0,75 mm <sup>7</sup> Material conductor wire     Stranded copper wire, bare       Conductor tyre (wire)     stranded case 6       Nominal voltage AC max.     300 V       Current load capacity mits.mdv (strand class 6       Nominal voltage MC max.     300 V       Current load capacity mits.mdv (strand class 6       Nominal voltage MV mit.     12 A       Electrical resistance	Stranding	2 wires twisted
Gable weight 40.7 g/m   Material jacket PUR   Shore hardness jacket 90.8 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   Outer-diameter (jacket) 5 mm   Tolerance outer diameter (sheath) ± 5 %.   Material wire insulation PP   Amount wires 2   Outer diameter insulation 1.7 mm   Outer diameter volerance core insulation ± 5 %.   Shore hardness wire insulation 1.7 mm   Outer diameter volerance core insulation ± 5 %.   Shore hardness device) 42   Diameter of single wires 0.15 mm   Conductor vise Stranded copper wire, bare   Conductor vise (wire) 0.75 mm <sup>2</sup> Material conductor wire Stranded copper wire, bare   Conductor vise (wire) 0.75 mm <sup>2</sup> Current load capacity (standard) to DIN VDE 208-4   Current load capacity (standard) to DIN VDE 208-4   Current load capacity (standard) to DN VE 208-4	wire arrangement	brown, blue
Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jackt)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jackt)     5 mm       Tolerance outer diameter (jenett)     1 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter (isolation)     1,7 mm       Outer diameter (isolation)     70 ± 5 %       Material wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     10 ± 5 %       Material view insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 % %       Conductor type (wire)     42       Diameter of single wires     0,15 mm       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity min. wire     12 A       Electrical resistance line constant wire     25 KV @ 60 s       Power frequency withshard voltage (wire - jacket)     2,5 KV @ 60 s       Min. operating temperature (fixed)     60 °C / 90 °C @ 10000 h O	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Shore hardness jacket     90 ± \$ Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wrie insulation     PP       Amount wries     2       Outer diameter insulation     1,7 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wrie insulation     70 ± 5 Shore D       Ingredient freeness wrie insulation     12 mm       Conductor crossection (wrie)     42       Diameter of single wries     0,15 mm       Conductor or sossection (wrie)     0,75 mm²       Material conductor wrie     Stranded copper wrie, bare       Conductor or sossection (wrie)     0,75 mm²       Material conductor wrie     Strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (stand	Cable weigth	40,7 g/m
Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Outer-diameter (jacket)   5 mm     Material wire insulation   PP     Amount Wries   2     Outer diameter insulation   1.7 mm     Outer diameter insulation   1.5 %     Shoe hardhess wire insulation   70 ± 5 %hore D     Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0.15 mm     Conductor crosssection (wire)   0.75 mm <sup>2</sup> Material conductor wire   Stranded copper wire, bare     Conductor vire)   Stranded copper wire, bare     Conductor vire)   2.5 KV @ 60 s     Nominal voltage (wire - wire)   2.5 KV @ 60 s     Current load capacity (standarci)   to DIN VDE 0294-4     Current load capacity (standarci)   50 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   40 °C     Adv withstand voltage (wire - wire)   2.5 KV @ 60 s     Min. operating temperature (static)   40 °C     Max. operating temperature (static)   40 °C     Max. operating temperature (static) <t< td=""><td>Material jacket</td><td>PUR</td></t<>	Material jacket	PUR
Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter resultation     1.7 mm       Outer diameter resultation     ± 5 %       Shore hardness wire insultation     7.0 ± 5 Shore D       Ingredient freeness wire insultation     lead-free, cadmium-free, CFC-free, halogen-free       Amount strands (wire)     42       Diameter of single wires     0.15 mm       Conductor crosssection (wire)     0.75 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 (sta	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PP     Amount wires   2     Outer diameter insulation   1.7 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   0.15 mm     Conductor crosssection (wire)   0.75 mm²     Material conductor wire   Stranded coper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity min, wire   12 A     Electrical resistance line constant wire   26 Ωkm @ 20 °C     AC withstand voltage (wire - wire)   2.5 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Mex. operating temperature (static)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   -25 °C     Operating temperature (static)   80 °C / 90 °C @ 1000 h Operation     UV resistance   DIN EN ISO 44892.2 A     Flame resistan	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Anount wires     2       Outer diameter insulation     1,7 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     0,15 mm       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (istandard)     to DIN VDE 0298-4       Current load capacity (istandard)     28.0 km @ 02 °C <td>Outer-diameter (jacket)</td> <td>5 mm</td>	Outer-diameter (jacket)	5 mm
Amount wires     2       Outer diameter insulation     1,7 mm       Outer diameter insulation     1,7 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     0,15 mm       Conductor or sossection (wire)     0,75 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor toysessection (wire)     0,75 mm <sup>2</sup> Material conductor wire     Stranded copper wire, bare       Conductor toyse (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (strandard)     to DIN VDE 0298-4       Current load capacity min. wire     12 A       Electrical resistance line constant wire     26 Ωkm @ 20 °C       AC withstand voltage (wire -     2,5 kV @ 60 s       jacket)     -2,5 kV @ 60 s       Min. operating temperature (statc)     -40 °C       Max. operating temperature (statc)     80 °C / 90 °C @ 100000 h Operation       O	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation     1.7 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     lead-free, cardinum-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0.15 mm       Conductor rosssection (wire)     0.75 mm²       Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Norminal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       Current load capacity (standard)     to DIN VDE 0290 °C       AC withstand voltage (wire - iacket)     2,5 kV @ 60 s       Min. operat	Material wire insulation	PP
Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     Iead-free, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,15 mm       Conductor crosssection (wire)     0,75 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       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Querating temperature min. (dynamic)     -25 °C       Operating temperature min. (dynamic)	Amount wires	2
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   0,15 mm     Conductor rossection (wire)   0,75 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)   2,5 kV @ 60 s     Mño: operating temperature (static)   -40 °C <	Outer diameter insulation	1,7 mm
Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, halogen-free       Amount strands (wire)     42       Diameter of single wires     0,15 mm       Conductor crossection (wire)     0,75 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 (min. wire)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - jacket)     -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 (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1100 FT2 [IEC 60332-2.2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gasoline resistance     DIN EN 60811-404 [ Good, appl	Outer diameter tolerance core insulation	±5%
Amount strands (wire)   42     Diameter of single wires   0,15 mm     Conductor crosssection (wire)   0,75 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 min. wire   12 A     Electrical resistance line constant wire   26 0/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - jacket)   40 °C     Max. operating temperature (itstal)   40 °C     Max. operating temperature (itstal)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (itstal)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2     Ichemical resistance   Good, application-related testing     Gasoline resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2     Ichemical resistance   DIN EN 60811-404   Good, application-related testing     Gasoline resistance   Good, application-related testing	Shore hardness wire insulation	70 ± 5 Shore D
Diameter of single wires0,15 mmConductor crosssection (wire)0,75 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 - jacket)2,5 kV @ 60 sMax. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature min. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN ISO 4892-2 AFlame resistanceGood, application-related testingGasoline resistanceGood, application-related testingGasoline resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN 60811-404   Good, application-related testingGasol	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Conductor crosssection (wire)   0,75 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 (min. wire   12 A     Electrical resistance line constant wire   26 Q/km @ 20 °C     AC withstand voltage (wire - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - iacket)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     VV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DIN EN 180 4892-2 A     Flame resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Gasoline resistance   DIN EN 180 4892-2 A	Amount strands (wire)	42
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     12 A       Electrical resistance line constant wire     26 Ω/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 (static)     -40 °C       Operating temperature (static)     -25 °C       Opperating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     -25 °C       Operating temperature max. (dynamic)     100 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 6032-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Bending radius (fix	Diameter of single wires	0,15 mm
Conductor type (wire)strand class 6Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 D/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN ISO 4892-2 AFlame resistanceDIN EN 1504 892-2 AFlame resistanceGood, application-related testingGasoline resistanceDIN EN 16011-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterFlanding radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   12 A     Electrical resistance line constant wire   26 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     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000 JUL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (dynamic)   10 × Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   12 A     Electrical resistance line constant wire   26 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 (mixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Conductor type (wire)	strand class 6
Current load capacity min. wire   12 A     Electrical resistance line constant wire   26 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     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 × Outer diameter     Bending radius (dynamic)   10 × Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.	Nominal voltage AC max.	300 V
Electrical resistance line constant wire   26 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 (ixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature min. (dynamic)   -25 °C     Operating temperature max. (dynamic)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   UL 1581 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 60811-404   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.	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 (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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Current load capacity min. wire	12 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Electrical resistance line constant wire	26 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion 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 OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		2,5 kV @ 60 s
Operating temperature min. (dynamic)-25 °COperating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic)80 °C / 90 °C @ 10000 h OperationUV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 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 Operation
UV resistanceDIN EN ISO 4892-2 AFlame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature min. (dynamic)	-25 ℃
Flame resistanceUL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
chemical resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (dynamic)10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	UV resistance	DIN EN ISO 4892-2 A
Gasoline resistance   Good, application-related testing     Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
Oil resistance   DIN EN 60811-404   Good, application-related testing     Bending radius (fixed)   5 x Outer diameter     Bending radius (dynamic)   10 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   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 x Outer diameter     Travel speed (C-track)   10 Mio. @ 25 °C     No. of torsion cycles   2 Mio.     Torsion stress   ± 180 °/m	Oil resistance	DIN EN 60811-404   Good, application-related testing
Travel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 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

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: 2024-05-07

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