

1

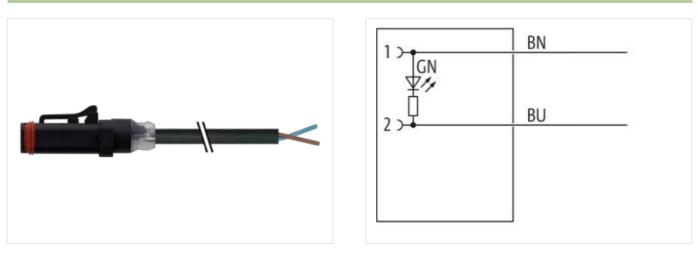
## Valve plug MDC06-2s short LED with cable

PUR 2x0.75 bk UL/CSA+drag ch. 5m

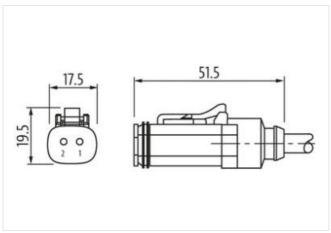
Xtreme - Outdoor Male straight Further cable lengths on request. 12...24 V DC 2-pole LED Compatible with: Deutsch DT06-2S Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product

Illustration



2



Product may differ from Image



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: 2024-05-03

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Cable length	5 m
Side 1	
Mounting method	inserted
Coating contact	nickel plated
Family construction form	MDC
suitable for corrugated tube (internal $\emptyset$ )	10 mm
Material contact	Copper alloy
No. of poles	2
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	27060312
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879817219
Packaging unit	1
Electrical data   Supply	
Operating voltage DC min.	12 V
Operating voltage DC max.	24 V
Current operating per contact max.	8 A
Diagnostics	
Status indication LED	green
Installation   Connection	
Stripping length (jacket)	20 mm
Family construction form	Amphenol AT06-2S
Device protection   Electrical	
Degree of protection (ISO 20653:2013)	IP66K, IP68, IP69K
Pollution Degree	2
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	III
Additional suppressor	without components
Mechanical data   Material data	
Material gasket	Silicon
Material housing	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.

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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.

Cable inform754Cable Type3Cable Type3Cable TypeURusType of CertificateURusAnount stranding1Stranding2 vires twistedtwe arrangementbow. bleTavorsing distance (C track)10 m @ 25 °C   horizontalCable weight40.7 g/mMaterial jackst90 ± 5 Shore AFreedom tiom ingrothent (tacket)5 mmOrder dismeter (tacket)5 mmOuter dismeter (tacket)5 mmOuter dismeter (tacket)5 %Material jackst90 ± 5 Shore AFreedom tiom ingrothent (tacket)5 %Outer dismeter (tacket)5 %Outer dismeter (tacket)5 %Anount stranding wei insulation7 0 ± 5 Nore DFreedom tiom ingrother insulation12 %Shore hardness wei insulation70 ± 5 Nore DOuter dismeter tolerace core insulation12 %Anount strandis (wei)42 %Dimeter of single weis0.15 mmCandictor type (weis)5 Strander Copper wite, ballogen tree, slicone freeAnount strandis (weis)25 Nore DCandictor type (weis)5 Strander Copper wite, ballogen tree, slicone freeAnount strandis (weis)0.25 mm?Candictor type (weis)8 Strander Copper wite, ballogen tree, slicone freeCandictor type (weis)8 Strander Copper wite, ballogen tree, slicone freeCandictor type (weis)8 Strander Copper wite, ballogen tree, slicone freeCandictor type (weis)8 Strander Copper wite	Installation   Cable	
Jackst Color     black       Type of Certificate     URus       Amount Standing     1       Strauding     2 wires Iwalaud       Wire sarrangement     brown, blue       Travesing distance (C-track)     10 m @ 25 °C I horizontal       Cable weght     40.7 g/m       Material jackat     PUR       Shore hardness jackat     90 ± 5 Shore A       Freedom from ingredients (jacket)     0 ± 5 Shore A       Outer diamotic (jackal)     5 mm       Outer diamotic (jackal)     5 mm       Toferance outer diamotier (sheath)     2 5 %       Material wire insulation     7P       Amount wires     2       Outer diamotier (sheath)     1 ± 5 %       Material wire insulation     70 ± 5 Shore D       Ingredient Insulation     7.7 mm       Outer diameter insulation     10 ± 5 %       Shore hardneses were insulation     10 ± 5 %       Material oried (wire)     0.15 mm       Conductor type (wire)     0.15 mm       Conductor type (wire)     10 form / Material conductor were)       Kariand coxpera were, basice     0.15 mm	Cable identification	754
Type of Certificate     cURue       Amount stranding     1       Stranding     2 vise bvisted       Taversing distance (C-track)     10 m 02 5° (F Instructual)       Cable weigh     40,7 pm       Material jacket     PUR       Shore hardness jacket     90 5 Shore A       Freedom form ingredients (jacket)     Is def-free, cadmum-free, CFC-free, halogen-free, silicone-free       Outer-diameter (jacket)     5 %       Material vise insulation     PP       Anount vise     2       Outer diameter (interime constructuant)     15 %       Stron hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     71 ± 5 Shore D       Stron hardness wire insulation     72 ± 5 Shore D       Ingredient freeness wire insulation     73 mm       Conductor rype (wire)     strand coper wire, bare       Conductor type (wire)     Strandid coper wire, bare       Conductor type (wire)     Strand coper wire, bare </td <td>Cable Type</td> <td>3</td>	Cable Type	3
Amount stranding   1     Stranding   2 wires twisted     wire arrangement   brown, blue     Traveraing distance (C-track)   10 m @ 25 °C   horizontal     Cable weight   40.7 g/m     Material jacket   PUR     Shore hardness jacket   90 ± 5 Shore A     Freedom from ingredients (jacket)   Isad-free, cadmium-free, CPC-free, halogen-free, silicone-free     Outer-diameter (igacket)   5 mm     Tolerance outer diameter (instalt)   1 5 %     Material jacket   PP     Annount wires   2     Outer diameter insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Ingredient freeness wire insulation   70 ± 5 Shore D     Conductor onsess wire insulation   104 ± 2     Diameter of single wires   0,15 mm     Conductor vises wire insulation   80 ± 7 mm     Material a conductor wire   Siranded copper wire, bare     Conductor onsessection (wire)   90 V     Current load capacity (standard)   to DN VDE 0298-4     Current load capacity (standard)   to DN VDE 0298-4     Current load capacity (standard)   10 °C / 10 °C @ 10000 h Operat	Jacket Color	black
Stranding   2 wires twisted     wire arrangement   brown, blue     Traversing distance (C-track)   10 m @ 25 °C   torzontal     Cable weight   40.7 g/m     Material jacket   PUR     Shore hardness jacket   90 4 5 Shore A     Freedom from ingrodients (jacket)   lead free, cadmium-free, CFC free, halogen-free, silicone free     Outer diameter (leaket)   5 %     Material wei insulation   PP     Anount wires   2     Outer diameter (insulation   1.7 mm     Outer diameter insulation   1.7 mm     Outer diameter insulation   7.9 ± 5 Shore D     Ingredient freeness wire insulation   1.5 %     Stron hardness wire insulation   1.5 from     Conductor crosseaction (wire)   0.75 mm²     Conductor verses wein situation   1.64-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0.15 mm     Conductor versesaction (wire)   0.75 mm²     Material conductor wein   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Normal votage AC max.   000 V	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     90 ± 5 Shore A       Freedom from ingredients (jacket)     10 m @ 25 °C [horizontal       Cable weigh     90 ± 5 Shore A       Freedom from ingredients (jacket)     5 mm       Tolerance outer diameter (jacket)     5 mm       Tolerance outer diameter (jacket)     5 %       Annout Wros     2       Outer diameter insulation     1.7 mm       Outer diameter insulation     1.8 Shore D       Ingredient freeness weire insulation     1.7 mm       Outer diameter insulation     1.7 mm       Outer diameter of single wires     0.15 mm       Conductor orsesservice insulation     1.6 Ze       Diameter of single wires     0.15 mm	Amount stranding	1
Taversing distance (C-track)     10 m @ 25 °C   hotizontal       Cable weigh     40,7 g/m       Material jacket     PUR       Shore hardness jacket     90 ± 5 Shore A       Freedom from ingredients (jacket)     Iead-tee, cadmium-free, CFC-tree, halogen-free, silicone-free       Outer-diametir (jacket)     5 mm       Toteraco outer diameter (sheath)     ± 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter insulation     1,7 mm       Outer diameter insulation     12 5 %       Shore hardness wire insulation     12 5 %       Shore hardness wire insulation     12 5 %       Diameter of single wires     0,15 mm       Conductor rows ending wires     0,15 mm       Conductor row (wire)     0,75 mm <sup>2</sup> Conductor row (wire)     51 and class 6       Nominal voltage AC max.     300 V       Current load capacity (mix wire)     12 A       Electrical resistance line constant wire     26 Ω/km @ 20 °C       AC withstand voltage (wire - vire)     2,5 KV @ 60 s       Nominal voltage (wire - vire)     2,5 KV @ 60 s       Min. operating temp	Stranding	2 wires twisted
Cable weight 40,7 g/m   Material jacket PUR   Shore hardness jacket 90 ± 5 Shore A   Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free   Outer-diameter (jacket) 5 mm   Tolerance outer diameter (heath) ± 5 %   Material wire insulation PP   Amount wires 2   Outer diameter tolerance core insulation ± 5 %   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 125 %   Conductor rows sevire insulation 125 %   Material conductor wire Stranded copper wire, CFC-free, halogen-free, silicone-free   Amount stands (wire) 42   Diameter of single wires 0,15 mm   Conductor vire 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 (standard) to DIN VDE 0298-4   Current load capacity (standard) 0 20 °C   A con stand wire 2.6 kV @ 6	wire arrangement	brown, blue
Material jacket     PUR       Shore hardness jacket     80 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, halogen-free       Outer-diameter (jacket)     5 mm       Toderance outer diameter (jacket)     5 mm       Toderance outer diameter (jacket)     5 %       Material wire insulation     PP       Amount wires     2       Outer diameter insulation     1.7 mm       Outer diameter insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     1.6 fm       Conductor crossection (wire)     42       Diameter of single wires     0.15 mm       Conductor rows     Standed coxper wire, bare       Conductor vige (wire)     strand class 6       Nominal voltage AC max.     300 V       Current to ad capacity (standard)     to DIN VDE 0288-4       Current class frequent wire     2.6 K/W @ 60 s       Nominar voltage (wire • wire)     2.5 K/W @ 60 s       Power frequener withstand voltage (wire • wire)     2.5 K/W @ 60 s       Power frequener withstand voltage (wire • wire)     2.5 K/W @ 60	Traversing distance (C-track)	10 m @ 25 °C   horizontal
Shore 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 loterance outer insulation     ± 5 %       Shore hardness wire insulation     1,7 mm       Outer diameter loterance outer insulation     ± 5 %       Shore hardness wire insulation     162 Shore D       Ingredient freeness wire insulation     Fee, cadmium-free, CFC-free, halogen-free, silicone-free       Amount strands (wire)     42       Diameter of single wires     0,15 mm       Conductor wires     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	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     Tolerance outer diameter (sheath)   15 %     Material wire insulation   PP     Amount wires   2     Outer diameter insulation   1,7 mm     Outer diameter insulation   1,7 mm     Outer diameter insulation   1,7 mm     Outer diameter insulation   125 %     Shore hardness wire insulation   1ead-free, cadmium-free, CFC-free, halogen-free, silicone-free     Amount strands (wire)   42     Diameter of single wires   0,15 mm     Conductor rowssection (wire)   0,75 mm²     Conductor row (wire)   Strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE C394-4     Current load capacity (standard)   to DIN VDE C394-4     Current load capacity (wine - wire)   2,5 kV @ 60 s     Power frequency withstand voltage (wire - wire)   2,5 kV @ 60 s     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Power frequency withstand voltage (wire - 25 °C     Operating	Material jacket	PUR
Outer-diameter (jacket)     5 mm       Tolerance outer diameter (sheath)     ± 5 %       Materia Wire Insulation     PP       Amount wires     2       Outer diameter rinsulation     1.7 mm       Outer diameter 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 crossection (wire)     0.75 mm <sup>2</sup> Material conductor wire     Strandel copper wire, bare       Conductor lype (wire)     strand class 6       Nominal voitage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0298-4       C	Shore hardness jacket	90 ± 5 Shore A
Tolerance outer diameter (sheath) $\pm$ 5 %       Material wire insulation     PP       Amount wires     2       Outer diameter insulation     1.7 mm       Outer diameter or low accore insulation $\pm$ 5 %       Shore hardness wire insulation $\pi$ 5 %       Imagediant fleeness wire insulation $\pi$ 5 %       Conductor crossection (wire) $42$ Diameter of single wires $0.15  \text{mm}$ Conductor rus (wire) $9.75  \text{mm}^2$ Material conductor wire     Stranded copper wire, bare       Conductor type (wire)     strand class 6       Nominal voltage AC max.     300 V       Current load capacity (standard)     to DIN VDE 0288.4       Current load capacity (standard)     to DIN VDE 0288.4       Current load capacity (wire - wire)     2.5 kV @ 60 s       Power tregeneyn withstand voltage (wire - wire)     2.5 kV @ 60 s       Min. operating temperature (max. (dynamic)     .25 rC       Operating temperature max. (dynamic)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material wire insulation     PP       Amount wires     2       Outer diameter insulation     1.7 mm       Outer diameter insulation     1.5 %.       Shore hardness wire insulation     70 ± 5 Shore D       Ingredient freeness wire insulation     16 ± 5 %.       Shore hardness wire insulation     16 ± 5 Shore D       Ingredient freeness wire insulation     16 ± 5 %.       Shore hardness wire insulation     16 ± 5 %.       Diameter of single wires     0.15 mm       Conductor crosssection (wire)     0.75 mm³       Material conductor wire     Stranded copper wire, bare       Conductor vige (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       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature mix. (dynamic)     -25 °C       Operating temperature mix. (dynamic)     <	Outer-diameter (jacket)	5 mm
Amount wires   2     Outer diameter insulation   1.7 mm     Outer diameter tolerance core insulation   ± 5 %     Shore hardness wire insulation   10 ± 5 Shore D     Ingredient freeness wire insulation   lead-tree, 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 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 - wire)   2,5 kV Ø 60 s     Power frequency withstand voltage (wire - iso)   2,5 kV Ø 60 s     Jack (with)	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, cadmium-free, CFC-free, halogen-free, silicone-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 (wire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - xire)     2.5 kV @ 60 s       Power frequency withstand voltage (wire - 2.5 kV @ 60 s     0° C / 90 °C @ 10000 h Operation       Operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Max. operating temperature (fixed)     80 °C / 90 °C @ 10000 h Operation       UV resistance     DIN EN ISO 4892-2 A       Flame resistance     Good, application-related testing	Material wire insulation	PP
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 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 (wine - 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 (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	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 orsessection (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 mire   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 - ize, 55 vV @ 60 s     Min. operating temperature (static)   -40 °C     Max. operature (static)   -40 °C     Operating temperature (fixed)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (static)   -40 °C     Versitance   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	Outer diameter insulation	1,7 mm
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 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6     Nominal voltage AC max.   300 V     Current load capacity (standard)   to DIN VDE 0298-4     Current load capacity min. wire   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 - 2.5 kV @ 60 s   8     Min. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Operating temperature (static)   -60 °C     Vir esistance   DIN ND 150 489-2 A     Flame resistance   UL 1581 § 1000 I/D 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN ND K0811-404   Good, application-related testing     Gasoline resistance   DI NE NE 0811-404   Good, application-related testing     Garoline radius (dynamic)   10	Outer diameter tolerance core insulation	± 5 %
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     Max. operating temperature (static)   -40 °C     Max. operating temperature (static)   -40 °C     Max. operating temperature (staci)   80 °C / 90 °C @ 10000 h Operation     Operating temperature (staci)   80 °C / 90 °C @ 10000 h Operation     UV resistance   DIN EN ISO 4892-2 A     Flame resistance   Good, application-related testing     Gasoline 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, application-relate	Shore hardness wire insulation	70 ± 5 Shore D
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 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 - iz,6 kV @ 60 s     Min. operating temperature (istatic)   -40 °C     Max. operating temperature (istatic)   -40 °C     Max. operating temperature (istatic)   -40 °C     Min. operating temperature (istatic)   -40 °C     Max. operating temperature (istatic)   -40 °C     Max. operating temperature min. (dynamic)   -25 °C     Operating temperature min. (dynamic)   0 °C (@ 10000 h Op	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 min. wire     12 A       Electrical resistance line constant wire     26 Ω/km @ 20 °C       AC withstand voltage (wire - iacket)     2,5 kV @ 60 s       Power frequency withstand voltage (wire - iacket)     2,5 kV @ 60 s       Max. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Querating temperature min. (dynamic)     -25 °C       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       Gasoline resistance     DIN EN 1604 application-related testing       Gli resistance     DIN EN 140   Good, application-related testing <t< td=""><td>Amount strands (wire)</td><td>42</td></t<>	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 (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       Min. operating temperature (static)     -40 °C       Max. operating temperature (static)     -40 °C       Operating temperature (static)     -40 °C       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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2       chemical resistance     Good, application-related testing       Gasoline resistance     Good, application-related testing       Gli resistance     Good, application-related testing       Gli resistance     DIN EN 60811-404   Good, application-related testing <td>Diameter of single wires</td> <td>0,15 mm</td>	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 (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (static)-25 °COperating temperature min. (dynamic)-25 °COperating temperature max. (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 resistanceGood, application-related testingOil resistanceDIN EN 180 411-404   Good, application-related testingBending radius (fixed)5 x Outer diameterBending radius (fixed)5 x Outer diameterTravel speed (C-track)10 Min. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Nominal voltage AC max.300 VCurrent load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (static)-40 °CMax. operating temperature (ixed)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 § 1000   UL 1581 § 1100 FT2   IEC 60332-2-2chemical resistanceGood, application-related testingOil resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceIDN N Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard)to DIN VDE 0298-4Current load capacity min. wire12 AElectrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sNin. 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 resistanceGood, application-related testingGasoline resistanceGood, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m	Conductor type (wire)	strand class 6
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 - jacket)   2,5 kV @ 60 s     Nin. 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 § 1090   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     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	Nominal voltage AC max.	300 V
Electrical resistance line constant wire26 Ω/km @ 20 °CAC withstand voltage (wire - wire)2,5 kV @ 60 sPower frequency withstand voltage (wire - jacket)2,5 kV @ 60 sMin. operating temperature (static)-40 °CMax. operating temperature (fixed)80 °C / 90 °C @ 10000 h OperationOperating temperature 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 testingGir esistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingFlame resistanceDIN EN 60811-404   Good, application-related testingOil resistanceDIN EN 60811-404   Good, application-related testingDin related testing5 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress± 180 °/m		to DIN VDE 0298-4
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 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2     chemical resistance   Good, application-related testing     Gasoline resistance   DIN EN 08011-404   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 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 testing0il resistanceDIN EN 60811-404   Good, application-related testing10 x Outer diameterTravel speed (C-track)10 Mio. @ 25 °CNo. of torsion cycles2 Mio.Torsion stress1 180 °/m	Electrical resistance line constant wire	26 Ω/km @ 20 °C
jacket)2.5 kV @ b0 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 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 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 °C
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 °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: 2024-05-03

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