

## MSUD double valve A-18mm with cable

PVC 4x0.75 ye 3m

Art.No.: 7000-58041-0170300

Weight: 0.25

Country of origin: CZ

Model designation: MSKL3-016 200-KL3-017 3.0

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 200 mm Further cable lengths on request.

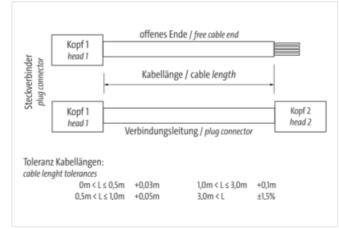
Plastic housings with good resistance against chemicals and oils.

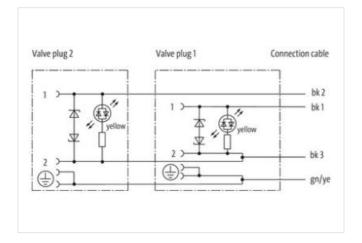
The resistance to aggressive media should be individually tested for your application. Further details on request.

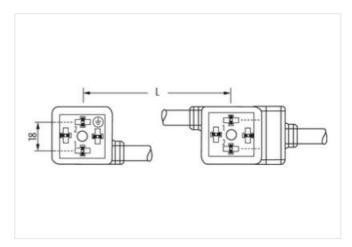
## **Link to Product**

## Illustration



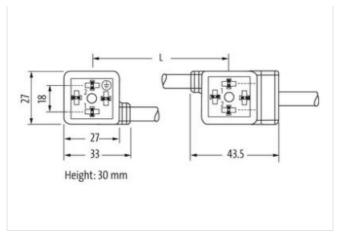








stay connected



Product may differ from Image



Cable length	3 m	
Side 1		
Tightening torque	0,4 Nm	
Thread	M3	
Side 2		
Tightening torque	0,4 Nm	
Thread	M3	
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	
customs tariff number	85444290	
EAN	4048879137188	
EAN	4048879137188	
Packaging unit	1	
Packaging unit	1	
Electrical data		
Drop-out delay time max.	20 ms	
Electrical data   Supply		
Operating voltage AC	24 V	
Operating voltage AC min.	19,2 V	
Operating voltage AC max.	28,8 V	
Operating voltage DC	24 V	
Operating voltage DC min.	18 V	
Operating voltage DC max.	30 V	

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: 2025-09-08



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Device protection (Electrical Degree of	Cut-off peak voltage max.	55 V
Degree of protection (EN IEC 60529) PF67 Additional condition protection degree Inserted, screwed Additional condition protection degree Additional condition of the protection of the protec	Current operating per contact max.	4 A
Degree of protection (EN IEC 60529) PF67 Additional condition protection degree Inserted, screwed Additional condition protection degree Additional condition of the protection of the protec	Device protection   Electrical	
Additional condition protection degree   niserted, screwed   Rated any evoltage   0,8 kV   Mechanical data   Material data   Mechanical data   Material data   Mechanical data   Municipal data   Mun	•	IP67
Rated surge voltage 0.8 kV  Mochanical data   Material data   Material polaries   Color housing black   Mounting method   Environmental characteristics   Climatic   Coperating temperature min.   25 °C   Operating temperature min.   25 °C   Coperating temperatu	<u> </u>	
Mechanical data   Material data         Plastic           Author Robusing         Disease           Nechanical data   Mounting data         Inserted, screwed           Environmental characteristics   Climital         Common method           Operating temperature min.         25 °C           Operating temperature max.         65 °C           Additional condition temperature range         depending on cable quality           Important installation notes         Trated the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Amenior Coberve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation ( able         Trated the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on banding radius         Amenior Coberve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation ( able         Amenior Coberve the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation ( able of the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.           Installation ( able of the permissible bending radii when laying cables as the IP protection class can be endangered by excessive bending forces.	1 0	· · · · · · · · · · · · · · · · · · ·
Material housing black Color housing black  Mechanical data   Mounting data  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics (Climatic  Operating temperature min25°C  Operating temperature max85°C  Additional condition temperature may. 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 lies.  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  wire arrangement black 1, black 2, black 3, green-yellow  Cable identification 017  Cable identification 017  Cable of Vive insulation with (isolation black)  Jacked Color wire insulation with (isolation black)  Jacked Color yellow  Anount stranding 1  Stranding 4 wires twisted  wire arrangement black 1, black 2, black 3, green-yellow  Cable weight 81,4 g/m  Alterial jacket PVC  Shore hardness jacket PVC  Shore hardness jacket PVC  Shore hardness jacket 80 1.5 Shore A  Freedom from ingradents (jacket) 6,5 mm  Toterance outer diameter (sheath) 4.5 %  Meterial wire insulation PVC  Anount wires  Anount wires  Anount wires  Candium properties were insulation with (isolation black)  Jacket color wire insulation yellow (isolation black)  Jacket of Color (isolate insulation i		5,0 m
Machanical data   Mounting data   Mounting data   Mounting method   Inserted, screwed	·	
Mounting method  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max85 °C  Additional condition temperature range -85 °C  Additional condition temperature range -85 °C  Additional condition temperature range -80 °C  Attention: Observe the permissible bending radii when laying cablies, as the IP protection class can be endangered by occassive bending forces.  Installation   Cable  wire arrangement -80 black 1, black 2, black 3, green-yellow -80 °C black 1 black 1, black 2, black 3, green-yellow -80 °C black 1 observed by the insulation with (escilation black) -90 °C black 1, black 2, black 3, green-yellow -80 °C black 1, black 2,		*****
Mounting method inserted, screwed  Environmental characteristics   Climate Operating temperature min.		DIACK
Privironmental characteristics   Climatic   Special perspecture min.   25 °C	Mechanical data   Mounting data	
Operating temperature min. 25 °C Operating temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C Additional condition temperature max. 85 °C  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on banding radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Institution   Cable    wire arrangement   black 1, black 2, black 3, green-yellow   Cable (dentification   017   Cable (Type   1   Printing cotor of wire insulation   white (isolation black)   Amount stranding   1   Stranding   4 wires twisted   Wires training   1   Stranding   4 wires twisted   Waterial jacket   PVC   Shore hardness jacket   80 ± 5 Shore A   Freedom from ingresients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free   Outer-diameter (jackot)   5 %   Material jacket swire insulation   43 ± 5 Shore D   Material pool for wire insulation   43 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation   40 ± 5 Shore D   Material properties wire insulation	Mounting method	inserted, screwed
Operating temperature max. 85 °C Additional condition temperature range depending on cable quality Important installation notes  Note on stain 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   Wire arrangement   black 1, black 2, black 3, green-yellow   Cable identification   017   Cable identification   017   Printing color of wire insulation   white (isolation black)   Jacket Color   yellow   1   Stranding   1   Stranding   4   wires twisted   Wire arrangement   black 1, black 2, black 3, green-yellow   Cable veight   81.4 g/m   Material jacket   PVC   Shore hardness jacket   81.4 g/m   Material jacket   PVC   Shore hardness jacket   80.1 5 Shore A   Freedom from ingredients (jacket)   6.5 mm   Tolerance outer diameter (spacket)   6.5 mm   Tolerance outer diameter (spacket)   6.5 mm   Tolerance outer diameter (spacket)   4   Material wire insulation   PVC   Material wire insulation   43 ± 5 Shore D   Material proteins wire insulation   white (isolation black)   Insulation   PVC   Material wire insulation   white (isolation black)   Insulation   Wires   Wires   Wires   Insulat	Environmental characteristics   Climatic	
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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    Write arrangement   black 1, black 2, black 3, green-yellow    Cable identification   017    Cable Type   1    Printing color of wire insulation   white (isolation black)    Amount stranding   1    Stranding   4 wires twisted    Write arrangement   black 1, black 2, black 3, green-yellow    Cable weigh   81,4 g/m    Material jacket   PVC    Shore hardness jacket   80 ± 5 Shore A    Freedom from ingredients (jacket)   least-free, cadmium-free, CFC-free, silicone-free    Outer-diameter (jacket)   5.5 mm    Tolerance outer diameter (shalth)   ± 5 %    Amount wires   4    Outer diameter insulation   1,8 mm    Outer diameter insulation   1,8 mm    Outer diameter insulation   43 ± 5 Shore D    Material properties wire insulation   least-free, cadmium-free, CFC-free, silicone-free    Outer-diameter (sinsulation   PVC    Amount wires   4    Outer diameter insulation   1,8 mm    Outer diameter insulation   1,8 mm    Outer diameter insulation   43 ± 5 Shore D    Material properties wire insulation   least-free, cadmium-free, CFC-free, silicone-free    Printing color of wire insulation   white (isolation black)    Amount strain (wire)   24    Dameter of single wires   0,2 mm    Conductor roressection (wire)   Stranded copper wire, bare    Conductor type (wire)   Stranded copper wire, bare    Conductor type (wire)   Stranded copper wire, bare    Correct load capacity (standard)   50 DN VDE 0298-4	Operating temperature min.	-25 °C
Note on strain relief	Operating temperature max.	85 °C
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement   black 1, black 2, black 3, green-yellow   Cable identification   017   Cable Type   1   Printing color of wire insulation   white (isolation black)   Jacket Color   yellow   Amount stranding   1   Stranding   4 wires twisted   wire arrangement   black 1, black 2, black 3, green-yellow   Cable weight   4 wires twisted   wire arrangement   black 1, black 2, black 3, green-yellow   Cable weight   81,4 g/m   Material jacket   PVC   Shore hardness jacket   80 ± 5 Shore A   Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free   Outer-diameter (jacket)   6,5 mm   Collerance outer diameter (sheath)   ± 5 %   Material wire insulation   PVC   Amount wires   4   Outer diameter insulation   1,8 mm   Outer diameter insulation   1,8 mm   Outer diameter insulation   25 %   Shore hardness wire insulation   good machinability   Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing color of wire insulation   lead-free, cadmium-free, CFC-free, silicone-free   Printing	Additional condition temperature range	depending on cable quality
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement   black 1, black 2, black 3, green-yellow    Cable identification   017    Cable Type   1    Printing color of wire insulation   white (isolation black)    Jacket Color   yellow    Amount stranding   1    Stranding   4 wires twisted    wire arrangement   black 1, black 2, black 3, green-yellow    Cable weight   81.4 g/m    Material jacket   PVC    Shore hardness jacket   80 ± 5 Shore A    Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free    Outer-diameter (jacket)   ± 5 %    Material wire insulation   PVC    Amount wires   4    Outer diameter insulation   1.8 mm    Outer diameter insulation   1.8 mm    Outer diameter insulation   good machinability    Ingredient freeness wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Material properties wire insulation   43 ± 5 Shore D    Material properties wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Printing color of wire insulation   white (isolation black)    Amount strands (wire)   24    Diameter of single wires   0.2 mm    Conductor crosssection (wire)   O,75 mm²    Material properties wire insulation   Strand class 5    Max. rated voltage (conductor - conductor)   500 V    Max. rated voltage (conductor - conductor)   500 V    Current load capacity (standard)   to DIN VDE 0298-4	Important installation notes	
Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Installation   Cable    wire arrangement   black 1, black 2, black 3, green-yellow    Cable identification   017    Cable Type   1    Printing color of wire insulation   white (isolation black)    Jacket Color   yellow    Amount stranding   1    Stranding   4 wires twisted    wire arrangement   black 1, black 2, black 3, green-yellow    Cable weight   81.4 g/m    Material jacket   PVC    Shore hardness jacket   80 ± 5 Shore A    Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free    Outer-diameter (jacket)   ± 5 %    Material wire insulation   PVC    Amount wires   4    Outer diameter insulation   1.8 mm    Outer diameter insulation   1.8 mm    Outer diameter insulation   good machinability    Ingredient freeness wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Material properties wire insulation   43 ± 5 Shore D    Material properties wire insulation   good machinability    Ingredient freeness wire insulation   lead-free, cadmium-free, CFC-free, silicone-free    Printing color of wire insulation   white (isolation black)    Amount strands (wire)   24    Diameter of single wires   0.2 mm    Conductor crosssection (wire)   O,75 mm²    Material properties wire insulation   Strand class 5    Max. rated voltage (conductor - conductor)   500 V    Max. rated voltage (conductor - conductor)   500 V    Current load capacity (standard)   to DIN VDE 0298-4	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties
wire arrangement black 1, black 2, black 3, green-yellow Cable identification 017 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color yellow Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 81.4 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket PVC Shore nin ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 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 Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor or cossessection (wire) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
wire arrangement black 1, black 2, black 3, green-yellow Cable identification 017 Cable Type 1 Printing color of wire insulation white (isolation black) Jacket Color yellow Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 81,4 g/m Material packet PVC Shore hardness jacket PVC Shore hardness jacket (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freenses wire insulation white (isolation black) Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm² Material conductor wire Stranded copper wire, bare Conductor to cosssection (wire) Stranded class 5 Max. rated voltage (conductor - conductor) Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4	Installation   Cable	
Cable identification         017           Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           Cable weight         81, 4 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         6,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter tolerance core insulation         1,8 mm           Outer diameter tolerance core insulation         4 \$ 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         good machinability           Ingredient freeness wire insulation         white (isolation black)           Amount strands (wire)         24           Diameter of single wires         0,2 mm           Conductor crosssection (wire) </td <td>·</td> <td>block 1 block 2 block 2 groop vellous</td>	·	block 1 block 2 block 2 groop vellous
Cable Type         1           Printing color of wire insulation         white (isolation black)           Jacket Color         yellow           Amount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           Cable weigth         81,4 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         6.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter insulation         1,8 mm           Outer diameter insulation         4 ± 5 Shore D           Material properties wire insulation         43 ± 5 Shore D           Material properties wire insulation         year-free, cadmium-free, CFC-free, silicone-free           Printing color of vire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of vire insulation         white (isolation black)           Amount strands (wire)         24		
Printing color of wire insulation white (isolation black) Jacket Color yellow Amount stranding 1 Stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 81,4 g/m Material jacket PVC Shore hardness jacket 80.5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter ocere insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor vire (standard) to DIN VDE 0298-4		
Jacket Color yellow Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 81,4 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free Outer-diameter (jacket) 6,5 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 4 Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (isolation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Material conductor wire Stranded copper wire, bare Conductor type (wire) Stranded copper wire, bare Conductor type (wire) Strand class 5 Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4		
Amount stranding         1           Stranding         4 wires twisted           wire arrangement         black 1, black 2, black 3, green-yellow           Cable weigth         81.4 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         6.5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter bursone or insulation         ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         24           Diameter of single wires         0,2 mm           Conductor rosssection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor (ye) (wire)         Strand class 5 </td <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>		· · · · · · · · · · · · · · · · · · ·
Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow  Cable weigth 81,4 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 6,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,8 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Oconductor type (wire) Stranded copper wire, bare  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4		
wire arrangement black 1, black 2, black 3, green-yellow  Cable weigth 81,4 g/m  Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 6,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,8 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4	-	
Cable weight         81,4 g/m           Material jacket         PVC           Shore hardness jacket         80 ± 5 Shore A           Freedom from ingredients (jacket)         lead-free, cadmium-free, CFC-free, silicone-free           Outer-diameter (jacket)         6,5 mm           Tolerance outer diameter (sheath)         ± 5 %           Material wire insulation         PVC           Amount wires         4           Outer diameter insulation         1,8 mm           Outer diameter insulation         43 ± 5 %           Shore hardness wire insulation         43 ± 5 Shore D           Material properties wire insulation         good machinability           Ingredient freeness wire insulation         lead-free, cadmium-free, CFC-free, silicone-free           Printing color of wire insulation         white (isolation black)           Amount strands (wire)         24           Diameter of single wires         0,2 mm           Conductor crossection (wire)         0,75 mm²           Material conductor wire         Stranded copper wire, bare           Conductor type (wire)         Strand class 5           Max. rated voltage (conductor - ground)         300 V           Current load capacity (standard)         to DIN VDE 0298-4		
Material jacket PVC  Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 6,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,8 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4	*	
Shore hardness jacket 80 ± 5 Shore A  Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free  Outer-diameter (jacket) 6,5 mm  Tolerance outer diameter (sheath) ± 5 %  Material wire insulation PVC  Amount wires  Outer diameter insulation 1,8 mm  Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire) Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4	<u> </u>	-
Freedom from ingredients (jacket)  Outer-diameter (jacket)  6,5 mm  Tolerance outer diameter (sheath)  ± 5 %  Material wire insulation  PVC  Amount wires  4  Outer diameter insulation  1,8 mm  Outer diameter insulation  1,8 mm  Outer diameter insulation  1,8 mm  Outer diameter insulation  43 ± 5 Shore D  Material properties wire insulation  Material properties wire insulation  Material properties wire insulation  1 is dead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation  Amount strands (wire)  Diameter of single wires  0,2 mm  Conductor crosssection (wire)  0,75 mm²  Material conductor wire  Stranded copper wire, bare  Conductor type (wire)  Strand class 5  Max. rated voltage (conductor - conductor)  Max. rated voltage (conductor - ground)  5 0 N V DE 0298-4		
Outer-diameter (jacket) 6.5 mm  Tolerance outer diameter (sheath) ±5 %  Material wire insulation PVC  Amount wires 4  Outer diameter insulation 1,8 mm  Outer diameter tolerance core insulation ±5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4		
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Outer diameter tolerance core insulation ± 5 %  Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4	Amount wires	4
Outer diameter tolerance core insulation \$\pmath{\pm	Outer diameter insulation	1.8 mm
Shore hardness wire insulation 43 ± 5 Shore D  Material properties wire insulation good machinability  Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free  Printing color of wire insulation white (isolation black)  Amount strands (wire) 24  Diameter of single wires 0,2 mm  Conductor crosssection (wire) 0,75 mm²  Material conductor wire Stranded copper wire, bare  Conductor type (wire) Strand class 5  Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4		· · · · · · · · · · · · · · · · · · ·
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Max. rated voltage (conductor - conductor) 500 V  Max. rated voltage (conductor - ground) 300 V  Current load capacity (standard) to DIN VDE 0298-4	Conductor type (wire)	
Max. rated voltage (conductor - ground) 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 9,6 A	Current load capacity min. wire	9,6 A
Electrical resistance line constant wire 26 Ω/km @ 20 °C	Electrical resistance line constant wire	26 Ω/km @ 20 °C

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: 2025-09-08



AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter