

MSUD double valve B-10mm with cable

PVC 4x0.75 gy 10m

Form B (10 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 200 mm Further cable lengths on request.

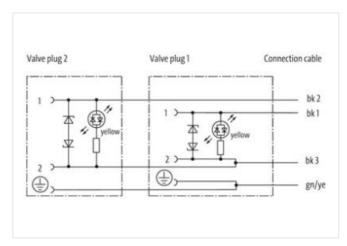
Plastic housings with good resistance against chemicals and oils.

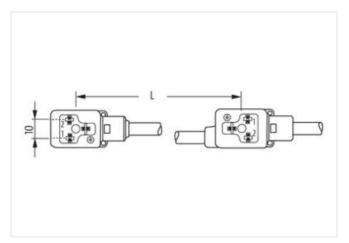
The resistance to aggressive media should be individually tested for your application. Further details on request.

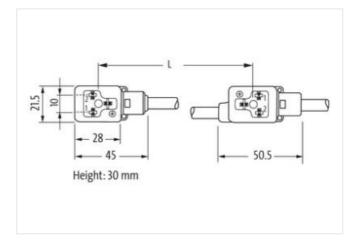
Link to Product

Illustration









Product may differ from Image



Cable length 10 m

Side 1

0,4 Nm Tightening torque



stay connected

Thread	M3
Side 2	
Tightening torque	0.4 Nm
Thread	M3
Commercial data	
	07070040
ECLASS-6.0 ECLASS-6.1	27279218
ECLASS-6.1 ECLASS-7.0	27279218 27279218
ECLASS-7.0	27279218
ECLASS-9.0	27060312
ECLASS-9.0 ECLASS-10.1	27060312
ECLASS-10.1	27060312
ECLASS-11.1 ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879300711
Packaging unit	1
	<u>'</u>
Electrical data	
Capacity CX	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
Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	12 mA
Diagnostics	
Status indication LED	yellow
	yonow
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV
Mechanical data Material data	
Color housing	black
Material housing	Plastic
Mechanical data Mounting data	
Mounting method	inserted, screwed
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	
Cable identification	217



stay connected

Cable lype Printing color of wire insulation Amount stranding Investment Amount stranding Awine arrangement Black I, black 2, black 3, green-yellow Black I, black I, black I, black I, black I, black I, black II, black III, black III, bl		
Jacket Color gray Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weight 75.9 g/m Material jacket PVC Shore hardness jacket 80 ± 5 Shore A Freedom from ingredients (jacket) 6.5 mm Cuter diameter (jacket) 6.5 mm Tolerance outer diameter (jacket) 1.5 mm Material wire insulation PVC Amount wires 4 Outer diameter insulation 1.8 mm Outer diameter tolerance core insulation 4.5 % Shore hardness wire insulation 4.5 % Shore hardness wire insulation 4.5 ± 5 % Shore hardness wire insulation 4.5 ± 5 % Shore lack (wire) 2.4 mm Material properties wire insulation white (solation black) Amount strands (wire) 2.4 Prinning color of wire insulation white (solation black) Amount strands (wire) 0.2 mm Conductor type (wire) Stranded copper wire, bare Co	Cable Type	1
Amount stranding 1 Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigth 75.9 g/m Material jacket PVC Shore hardmess 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 ± 5 % Shore hardmess wire insulation 43 ± 5 Shore D Material wire insulation 43 ± 5 Shore D Material progress wire insulation good machinability Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Printing color of wire insulation white (solation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) 0,75 mm² Maker, rated voltage (conductor - conductor) 500 V Current load capacity risin, wire Strand class 5 Max. rated voltage (conductor - conductor) 500 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min, wire Power frequency withstand voltage (wire - sicket) Acc withstand voltage (wire - wire) 70 °C Operating temperature (static) 70		white (isolation black)
Stranding 4 wires twisted wire arrangement black 1, black 2, black 3, green-yellow Cable weigh 75.9 g/m Material jacket PVC Shore hardness jacket PVC Shore hardness jacket 19.0 g/m migredients (jacket) 6.5 mm PVC Material jacket 19.0 g/m migredients (jacket) 6.5 mm PVC Material jacket 19.0 g/m migredients (jacket) 6.5 mm PVC Material jacket 19.0 g/m migredients (jacket) 6.5 mm PVC Material jacket 19.0 g/m migredients (jacket) 7.5 mm Material wein jacket 19.0 g/m migredients (jacket) 7.5 mm Material wein jacket 19.0 g/m migredient feense verien jacket 19.0 g/m migredient feense verien jacket 19.0 g/m migredient feense swire insulation 19.0 g/m migredient feenses wire insulation 43 ± 5.5 f/m Material properties wire insulation 43 ± 5.5 f/m produced feense swire insulation 19.0 g/m migredient feenses wire insulation 19.0 g/m migredient 19.0		
wire arrangement black 1, black 2, black 3, green-yellow Cable weigh 75,9 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 2,5 % Shore hardness wire insulation 3 ± 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 (solation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor crosssection (wire) N,75 mm² Material oronductor 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 Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 70 °C Operating temperature (fixed) 70 °C Operating temperature (fixed) 70 °C Operating temperature (fixed) 50 N × 0004, application-related testing Bending radius (fixed) 5 × 0 vuer diameter DIN RN 6004, application-related testing Bending radius (fixed) 5 × 0 vuer diameter		1
Cable weighth 75,9 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 4 Outer diameter insulation 3 ± 5 Shore D Material properties wire insulation 30 mm Material properties wire insulation 43 ± 5 Shore D Material properties wire insulation good machinability Ingredient freeness wire insulation 43 ± 5 Shore D Material properties wire insulation white (isolation black) Amount strands (wire) 24 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	Stranding	
Material jacket		
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 ± 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 (solation black) Amount strands (wire) 24 Diameter of single wires 0,2 mm Conductor vire (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 diage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance (inc constant wire 26 C/Vm @ 20 °C AC withstand voltage (wire - wire) 3 k V @ 60 s Max. operating temperature (static) 30 °C Max. operating temperature (static) 70 °C Operating temperature (mixed) 70 °C Operatin		<u>-</u>
Freedom from ingredients (jacket) Outer-diameter (jacket) Anount wires Anount wire insulation Anount strands (wire) Anount wire insulation Anount wire (solation black) Anount wire insulation Anount wire insulation Anount wire insulation Anount wire (solation black) Anount wire (solation black) Anount wire (solation black) Anount wire (solation black) Anount wire (wire)	Material jacket	PVC
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, cadminum-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 optication wire insulation white (solation black) Max. rated voltage (conductor - conductor) Max. rated voltage (wire) Max. rated voltage (wire) Max. rated voltage (wire) Max. rated voltage (wire - wire) Max. rated voltage (wire - wire) Max. voltage (wire - wire) Max. Querating temperature (fixed) Max. operating temperature (fixed) Max. operating temperature min. (dynamic) Max. operating temperature min. (dynamic)	Shore hardness jacket	80 ± 5 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material wire insulation PVC Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter 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 - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Clurrent load capacity min. wire 9,8 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - wire) 3 kV @ 60 s Min. operating temperature (static) 70 °C Operating temperature (fixed) 70 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Bending radius (fixed) 5 × Outer diameter	Outer-diameter (jacket)	6,5 mm
Amount wires 4 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ± 5 % Shore hardness 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) 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 NDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 30 °C Max. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) 70 °C Operating temperature min. (dynamic) 70 °C Operating temperature min. (dynamic) 70 °C <td>Tolerance outer diameter (sheath)</td> <td>±5%</td>	Tolerance outer diameter (sheath)	±5%
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 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - giacket) 3 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (static) -70 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance DIN E00811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Material wire insulation	PVC
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 crossection (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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - piacket) 3 kV @ 60 s Min. operating temperature (fixed) 70 °C Operating temperature min. (dynamic) 70 °C Op	Amount wires	4
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 cotor 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 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) 70 °C Operating temperature (fixed) 70 °C Operating temperature (fixed) 70 °C Operating temperature max. (dynamic) 70 °C Flame resistance Good, application-related testing Gasoline resistance DIN E 6081-404 [Good, application-related testing Gasoline resistance DIN EN 60811-404 [Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Outer diameter insulation	1,8 mm
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 Current load capacity (standard) to DIN VDE 0298-4 Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 (static) 70 °C Operating temperature max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, applicat	Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation Iead-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) Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) 70 °C Operating temperature min. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Shore hardness wire insulation	43 ± 5 Shore D
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 capper 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 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 (inced) 70 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Material properties wire insulation	good machinability
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 - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 mn. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Diameter of single wires Conductor crosssection (wire) O,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) Max. rated voltage (conductor - ground) Current load capacity (standard) Current load capacity (standard) Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C AC withstand voltage (wire - wire) 3 kV @ 60 s Nav. gerating temperature (static) 70 °C Operating temperature (fixed) 70 °C Operating temperature max. (dynamic) 70 °C Operating temperature max. (dynamic) 70 °C Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Printing color of wire insulation	white (isolation black)
Conductor crosssection (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 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 max. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Amount strands (wire)	24
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 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Diameter of single wires	0,2 mm
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 Current load capacity min. wire 9.6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Conductor crosssection (wire)	0,75 mm²
Max. rated voltage (conductor - conductor) 500 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Material conductor wire	Stranded copper wire, bare
Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Conductor type (wire)	Strand class 5
Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Max. rated voltage (conductor - conductor)	500 V
Current load capacity min. wire 9,6 A Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Max. rated voltage (conductor - ground)	300 V
Electrical resistance line constant wire 26 Ω/km @ 20 °C 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 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) To °C Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Current load capacity min. wire	9,6 A
Power frequency withstand voltage (wire - jacket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature min. (dynamic) To °C Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Electrical resistance line constant wire	26 Ω/km @ 20 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	AC withstand voltage (wire - wire)	3 kV @ 60 s
Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter		3 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Gaod, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Max. operating temperature (fixed)	70 °C
Flame resistance UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Operating temperature max. (dynamic)	70 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Flame resistance	UL 1581 § 1090 IEC 60332-2-2 UL 1581 § 1100 FT2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	chemical resistance	
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 5 x Outer diameter	Gasoline resistance	Good, application-related testing
	Oil resistance	
	Bending radius (fixed)	5 x Outer diameter
	Bending radius (dynamic)	10 x Outer diameter