

## MSUD double valve A-18mm with cable

PVC 4x0.75 bk 5m

Form A (18 mm) 24 V AC ±20% / DC ±25% LED and suppression Connection cable L = 110 mm Further cable lengths on request.

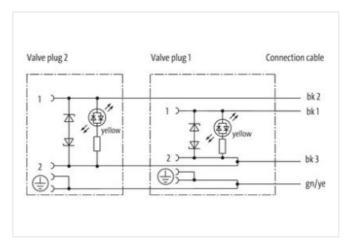
Plastic housings with good resistance against chemicals and oils.

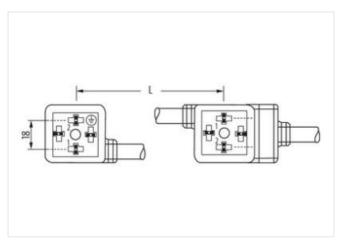
The resistance to aggressive media should be individually tested for your application. Further details on request.

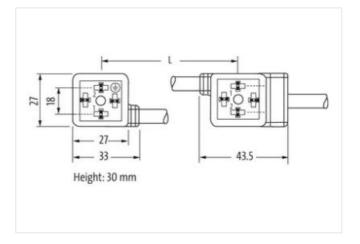
## **Link to Product**

## Illustration









Product may differ from Image



Cable length 5 m

Side 1

0,4 Nm Tightening torque



stay connected

Material	Thread	M3
Tightening torque	Material	PBT
Part	Side 2	
Part	Tightening torque	0.4 Nm
Motional   PBT		· · · · · · · · · · · · · · · · · · ·
Commercial data   CELASS-8.0   27279218   CELASS-8.0   27279218   CELASS-7.0   27279218   CELASS-7.0   27279218   CELASS-7.0   27279218   CELASS-8.0   27279218   CELASS-8.0   27279218   CELASS-9.0   27090312   CELASS-9.0   27090312   CELASS-10.1   27090312   CELASS-11.1   27090312   CELASS-11.1   27090312   CELASS-12.0   27090312   CELASS-10.1   CELASS-12.0   27090312   CELASS-12.0   27090312   CELASS-13.0   CELASS-13.0   CELASS-13.0   CELASS-14.0   CELASS-14.0   CELASS-15.0   CELASS-1		
ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-1.1         27060312           ECLASS-1.1         27060312           ECLASS-1.1         27060312           ETIM-5.0         E0001855           customs tarff number         65444290           GTIN         4048979137782           Packaging unit         1           Electrical data         1           Drop-out delay time max.         20 ms           Electrical data   Supply         1           Operating voltage AC         24 V           Operating voltage AC mix.         19,2 V           Operating voltage AC mix.         19,2 V           Operating voltage DC mix.         18 V           Operating voltage DC mix.         18 V           Operating voltage DC mix.         30 V           Cut-ort operating per contact max.         4 A           Cut-ort operating per contact max.         4 A           Device protection (EN EC 60529)         P67           Additional condition protection degree         inserted, screwed           Pollution protection (		. 5.
ECILASS-6.1         27279218           ECILASS-7.0         27279218           ECILASS-8.0         27279218           ECILASS-9.0         27660312           ECILASS-1.1         27060312           ECILASS-11.1         27060312           ECILASS-12.0         27060312           ECILASS-17.0         ECOMBAS           customs tariff number         085444290           GTIN         408879137782           Packaging unt         1           Electrical data         1           Electrical data Supply           Operating voltage AC         20 ms           Electrical data Supply         20 ms           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage AC         24 V           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Degree of protection (Electrical         9 look           Power protection (Electrical         9 look           Power protection (Electrical Supplese) <td></td> <td>07070040</td>		07070040
ECLASS-70         227918           ECLASS-8.0         27778218           ECLASS-9.1         27060312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO01895           customs farfin umber         8544290           GTIN         4048879137782           Packaging unit         1           Electrical data         20 ms           Electrical data Supply         50 ms           Poprating voltage AC max.         20 ms           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC max.         30 V           Current operating voltage DC max.         30 V           Current operating por contact max.         4 A           Current operating por contact max.         4 A           Current operating por contact max.         12 mA           Degree of protection (EN EC 6852)         1967           Status inclusion LEO         yellow           Device protection (EN EC 6852)         10 class accordance of the control of t		
ECLASS-8.0         27279218           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO1855           customs tariff rumber         89444290           GTIN         4048879137782           Packaging unit         1           Electrical data         Very Called State           Prop-out delay time max.         2 ms           Electrical data Supply         Very Called State           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating portoge DC max.         30 V           Cut-ort operating per contact max.         12 mA           Uniform operating per contact max.         12 mA           Diagnostics         12 mA           Device protection [Electrical         yellow           Device protection [Electrical         1           Additional tongrition protection degree         3 <td></td> <td></td>		
ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-6.0         EC001855           Lustoms traff number         85444290           GTIN         4048879137782           Packaging unit         1           Electrical data         SEPPOPULA CONTROLL           Prop out delay time max.         20 ms           Electrical data Suppty         SEPOPULA CONTROLL           Operating voltage AC max.         24 V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         4 A           Cut-off peak voltage max.         4 A           Orienting voltage pcreated max.         4 A           Cut-off peak voltage max.         55 V           Cut-off peak voltage max.         55 V           Used of protection   Electrical         Pilotage max.           Degree of protection   Electrical         Pilotage max.           Degree of protection   Electrical </td <td></td> <td></td>		
ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         27060312           ETIM-5.0         EC001855           usustoms tariff number         85444290           GTIN         4048879137782           Packaging unt         1           Electrical data         Electrical data           Drop-out delay ime max.         20 ms           Electrical data   Supply         Poperating voltage AC           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage AC max.         28.8 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Cut off peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         9 elbw           Degree of protection [Electrical <t< td=""><td></td><td></td></t<>		
ECLASS-11.1         27060312           ECLASS-12.0         27060312           ETIM-5.0         ECO01855           customs tariff number         85444290           GTIM         4048879137782           Packaging unit         1           Electrical data           Urgo ut delay time max.           Electrical data   Supply           Operating voltage AC min.           0 perating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         24 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 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 operating per contact max.         4 A           Degree of protection [Electrical         yellow           Page of protection [Electrical           Degree of protection [Electrical         yellow           Politacion protection edgree         18 Per           Additional condition protection degree         18 Per		
ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879137782           Packaging unit         1           Electrical data           Drop-out delay line max.           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 min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating par contact max.         4 A           Current operating par contact max.         12 mA           Deprace of protection [EN Eco 6829]           Page of protection (EN Eco 6829)           Page of protection (EN Eco 6829)           Page of protection degree           Inserted, screwed           Pollution Degree         3           Rated surge voltage         0.8 kV           Macterial group (EC 68664-1)         1           Additional suppre		
ETIM-5.0         EC0019856           customs tariff number         85444290           GTIN         40487137782           Packaging unil         1           Electrical data         Verbreit           Uprop out dolay time max.         2 0 ms           Electrical data [Supply         Uproposed dolay time max.           Operating voltage AC         24 V           Operating voltage AC min.         19.2 V           Operating voltage AC min.         18 V           Operating voltage DC min.         19 V           Out-off peak voltage max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Diagnostics           Status indication LED         yellow           Device protection [Electrical         yellow           Device protection [Electrical         yellow           Device protection [Electrical         yellow           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge vo		
customs tariff number         85444290           GTIN         4048879137782           Packaging unit         1           Electrical data		
GTIN         4048879137782           Packaging unit         1           Electrical data         Drop- out delay time max.         20 ms           Electrical data   Supply         Coperating voltage AC min.         19.2 V           Operating voltage AC min.         19.2 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage DC min.         18 V           Operating voltage pc max.         30 V           Cut-off peak voltage max.         55 V           Current operating per contact max.         4 A           Current operating per contact max.         4 A           Current operating per contact max.         4 Per Management           Begge of protection (EIC Ed Sc2)         Per Management           Begge of protection (EII EIC Ed Sc2)         IPS7           Additional condition protection degree         3           Reted surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data         PuR           Cooking material         Biack           Material gasket         PuR           Locking material         Biack		
Packaging unit   1		
Prop-out delay time max.		
Drop-out delay time max.   20 ms		
Decrating voltage AC		20
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 consumption max.         12 mA           Diagnostics           Status indication LED           yellow           Degree of protection [Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Colori housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temp	· · · ·	20 ms
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-oft peak voltage max.         55 V           Current consumption per contact max.         4 A           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Coating locking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic <td></td> <td></td>		
Operating voltage AC max.         28,8 V           Operating voltage DC min.         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           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Coating locking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         seel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C <td></td> <td></td>		
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           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data           Coating locking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         Steel           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         24 V </td <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td>		· · · · · · · · · · · · · · · · · · ·
Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Cut-off peak voltage max.         55 V           Current consumption max.         12 mA           Diagnostics           Status indication LED         yellow           Device protection   Electrical           Degree of protection (EN IEC 60529)         IP67           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60684-1)         1           Additional suppressor         Diode, Z-Diode           Mechanical data   Material data         Verzinkt           Colating locking         verzinkt           Color housing         black           Material gasket         PUR           Locking material         Sleel           Mechanical data   Mounting data           Mechanical data   Mounting data           Mounting method         inserted, screwed           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.         85 °C		
Operating voltage DC max. 55 V Current operating per contact max. 4 A Current consumption max. 12 mA  Diagnostics Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV Material group (IEC 6064-1) I Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt Color housing black Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Coperating temperature min25 °C  Operating temperature max. 85 °C		
Cut-off peak voltage max.     55 V       Current operating per contact max.     4 A       Current consumption max.     12 mA       Diagnostics       Status indication LED     yellow       Device protection   Electrical       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Additional suppressor     Diode, Z-Diode       Mechanical data   Material data       Coating locking     verzinkt       Color housing     black       Material gasket     PUR       Locking material     Steel       Mechanical data   Mounting data       Mounting method     inserted, screwed       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C		
Current operating per contact max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 6064-1) I  Additional spressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Current consumption max. 12 mA  Diagnostics  Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67 Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black Material gasket PUR Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C		
Diagnostics       Status indication LED     yellow       Device protection   Electrical       Degree of protection (EN IEC 60529)     IP67       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     I       Additional suppressor     Diode, Z-Diode       Mechanical data   Material data       Coating locking     verzinkt       Color housing     black       Material gasket     PUR       Locking material     Steel       Mechanical data   Mounting data       Mounting method     inserted, screwed       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C		
Status indication LED yellow  Device protection   Electrical  Degree of protection (EN IEC 60529) IP67  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	· · · · · · · · · · · · · · · · · · ·	12 mA
Device protection   Electrical  Degree of protection (EN IEC 60529)	Diagnostics	
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Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 0,8 kV  Material group (IEC 60664-1) I  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Device protection   Electrical	
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Rated surge voltage 0,8 kV  Material group (IEC 60664-1) 1  Additional suppressor Diode, Z-Diode  Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Additional condition protection degree	inserted, screwed
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Additional suppressor  Mechanical data   Material data  Coating locking  verzinkt  Color housing  black  Material gasket  PUR  Locking material  Steel  Mechanical data   Mounting data  Mounting method  inserted, screwed  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C	Rated surge voltage	0,8 kV
Mechanical data   Material data  Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material group (IEC 60664-1)	I
Coating locking verzinkt  Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Additional suppressor	Diode, Z-Diode
Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Material data	
Color housing black  Material gasket PUR  Locking material Steel  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Coating locking	verzinkt
Locking material  Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Color housing	black
Mechanical data   Mounting data  Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Material gasket	PUR
Mounting method inserted, screwed  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Locking material	Steel
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C	Mechanical data   Mounting data	
Operating temperature min25 °C Operating temperature max. 85 °C	Mounting method	inserted, screwed
Operating temperature max. 85 °C		<u></u>
Operating temperature max. 85 °C	Operating temperature min.	-25 °C
	Additional condition temperature range	depending on cable quality

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: 2024-05-19



stay connected

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	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
vire arrangement	black 1, black 2, black 3, green-yellow
Cable identification	617
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	black
Amount stranding	1
Stranding	4 wires twisted
vire arrangement	black 1, black 2, black 3, green-yellow
Cable weigth	77,66 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
Folerance 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
ngredient 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 - acket)	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
JV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Dil resistance	DIN EN 60811-404   Good, application-related testing