

PVC Tubing



Model number: SB-PVC

Working temperature: -30°C~+105°C

Structure

PVC tubing is produced by superior and environmentally friendly polyvinyl colloidal particle, after drying, extruded to tubing when heated up and liquated, then packing in rolls after cooling.

Usage

With the excellent flexibility, mechanical and dielectric capability, flame resistance performance, PVC tubing is widely used in outside insulation protection of outgoing wires of electrical appliances, transformers, electrical motors or lighting equipment, and electronic components, wire harness and etc.

Specification

Item	Unit	Test Method	Numerical Value	
			SB-300	SB-600
Voltage rating	V		300	600
Temperature rating	°C	UL224	105	
Voltage resistance	Before aging	UL224 23°C	2500V/60sec	
	After aging	UL224 136°C 168hr	2500V/60sec	
Volume resistivity	Ωcm	UL224	≥1010	
Tensile strength	Before aging	UL224 23°C	≥10.4	
	After aging	UL224 136°C 168hr	≥7.3	
Elongation	Before aging	UL224 23°C	≥100%	
	After aging	UL224 136°C 168hr	≥100%	
Flexibility		UL224 136°C 168hr	No cracking	
Heat shock		UL224 180°C 4hr	No cracking	
Cold bend		UL224 30°C 1hr	No cracking	
Copper stability		UL224 136°C 168hr	No corrosion	
Flame resistance		UL224	VW-1	

Special instruction: The PVC tubing supplied for the customers should be based upon the samples which confirmed by both sides, not restricted by the above performance index.

Dimension

AWG No.	Inner Diameter(mm)	Wall Thickness (mm)		Package size(m/r)
		SB-300	SB-600	
20	0.85±0.1	0.25±0.05	0.40±0.05	500
19	0.9±0.1	0.30±0.05	0.40±0.05	500
18	1.0±0.15	0.30±0.05	0.45±0.05	500
17	1.2±0.15	0.30±0.05	0.45±0.05	300
16	1.3±0.15	0.30±0.05	0.45±0.05	300

AWG No.	Inner Diameter(mm)	Wall Thickness (mm)		Package size(m/r)
		SB-300	SB-600	
15	1.5±0.15	0.30±0.05	0.45±0.05	300
14	1.7±0.15	0.30±0.05	0.45±0.05	300
13	1.9±0.2	0.30±0.05	0.45±0.05	300
12	2.1±0.2	0.35±0.05	0.50±0.05	300
11	2.4±0.2	0.35±0.05	0.50±0.05	300
10	2.7±0.2	0.35±0.05	0.50±0.05	300
9	3.0±0.2	0.40±0.05	0.50±0.05	300
8	3.3±0.2	0.40±0.05	0.50±0.05	300
7	3.7±0.2	0.40±0.05	0.50±0.05	300
6	4.2±0.3	0.45±0.05	0.50±0.05	300
5	4.7±0.3	0.45±0.05	0.55±0.05	300
4	5.3±0.3	0.45±0.05	0.55±0.05	300
3	5.9±0.3	0.45±0.05	0.55±0.05	200
2	6.6±0.3	0.45±0.05	0.55±0.05	200
1	7.4±0.35	0.45±0.05	0.55±0.55	150
0	8.3±0.35	0.45±0.05	0.55±0.55	100

(Two) The British system series

Size (inch)	Inner Diameter(mm)	Wall thickness(mm)		Packing size (m/r)
		SB-300	SB-600	
5/16	8.0±0.35	0.45±0.05	0.55±0.05	100
3/8	9.5±0.35	0.50±0.05	0.55±0.05	100
7/16	11.1±0.35	0.55±0.10	0.65±0.10	50
1/2	12.7±0.35	0.55±0.10	0.65±0.10	50
9/16	14.3±0.4	0.65±0.10	0.75±0.10	50
5/8	16.0±0.4	0.65±0.10	0.75±0.10	50
3/4	19.0±0.4	0.65±0.10	0.75±0.10	50
7/8	22.0±0.5	0.75±0.15	0.85±0.15	50
1	25.0±0.5	0.75±0.15	0.85±0.15	50

Dimension (Three) The British system series

Inner Diameter (mm)	Wall thickness(mm)		Packing size (m/r)
	SB-300	SB-600	
0.80±0.1	0.25±0.05	0.40±0.05	500
1.0±0.1	0.30±0.05	0.40±0.05	500
1.5±0.1	0.33±0.05	0.45±0.05	300
2.0±0.2	0.33±0.05	0.50±0.05	300
2.5±0.2	0.35±0.05	0.50±0.05	300
3.0±0.2	0.40±0.05	0.50±0.05	300
3.5±0.2	0.40±0.05	0.50±0.05	300
4.0±0.2	0.45±0.05	0.55±0.05	300

Inner Diameter (mm)	Wall thickness(mm)		Packing size (m/r)
	SB-300	SB-600	
4.5±0.3	0.45±0.05	0.55±0.05	300
5.0±0.3	0.45±0.05	0.55±0.05	300
6.0±0.3	0.45±0.05	0.55±0.05	200
7.0±0.3	0.45±0.05	0.55±0.05	150
8.0±0.35	0.45±0.05	0.55±0.05	100
9.0±0.35	0.50±0.05	0.60±0.05	100
10.0±0.35	0.55±0.10	0.65±0.10	50
11.0±0.40	0.55±0.10	0.65±0.10	50
12.0±0.40	0.55±0.10	0.65±0.10	50
13.0±0.40	0.55±0.10	0.65±0.10	50
14.0±0.40	0.55±0.10	0.65±0.10	50
15.0±0.40	0.60±0.10	0.70±0.10	50
16.0±0.40	0.60±0.10	0.70±0.10	50
17.0±0.40	0.60±0.10	0.70±0.10	50
18.0±0.40	0.60±0.10	0.70±0.10	50
19.0±0.40	0.65±0.10	0.75±0.10	50
20.0±0.50	0.65±0.10	0.75±0.10	50
21.0±0.50	0.65±0.10	0.75±0.10	50
22.0±0.50	0.70±0.10	0.80±0.10	50
23.0±0.50	0.70±0.10	0.80±0.10	50
24.0±0.50	0.75±0.10	0.85±0.10	50
25.0±0.50	0.75±0.10	0.85±0.10	50
26.0±0.50	0.85±0.10	0.85±0.10	50

Remark: Other size and color can be produced upon request.

Color: Transparent, black, white, red, yellow, brown, grey, etc.