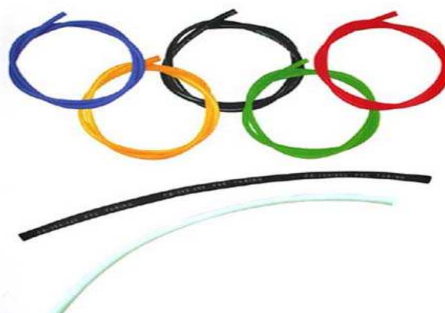


CB-300/CB-600(PVC) Non-shrinkable Tubing **CB-300(PE)/CB-600(PE) Non-shrinkable Tubing**

CB-300/600 (PVC)tubing is flexible, flame-retardant, non-heat-shrinkable tubing which has excellent electrical and physical properties, including excellent acid fastness and corrosion resistance. This tubing is suitable for insulation use in automotive electronics, terminal lugs, small electrical parts, lead wires of toy motors and transformers etc. This product is UL listed under file number E180908 for black, and E250610 for clear. All are F mark.



CB-300/ 600(PE) is halogen-free, flexible, flame-retardant, non-shrinkable tubing which has excellent electrical and physical properties, as well as outstanding acid fastness and corrosion resistance. This tubing can replace PVC tubing and is suitable for insulation of electronics, automotive parts, terminal lugs, small electrical parts, lead wires of toy motors and transformers etc. The product is UL listed under file E180908 and are also F-mark.



Technical Data:

Item		Typical Data
Temperature Rating		105°C
Longitudinal Change		≤±5%
Tensile Strength		≥10.4 MPa
Elongation at break		≥100%
Aging in Circulating-air Oven		136.0±1.0°C, 168hrs
After aging	Tensile Strength	≥7.3 MPa
	Elongation at break	≥100%
Potential Rating		300V, 600V
Volume Resistance		≥10 ¹⁰ Ω cm
Dielectric Strength		2500 V (60s) ,No breakdown
Corrosion of Bare Copper		No corrosion

Heat Shock	No cracking
Cold Bend	No cracking

Dimensions of CB-300/600(PVC)

AWG size	Inside diameter (mm)	Average Wall-thickness (mm)	
		For CB-300	For CB-600
5/8	16.0	0.7±0.18	0.7±0.18
9/16	14.3		
1/2	12.7	0.57±0.15	0.57±0.1
7/16	11.1		
3/8	9.53		
5/16	7.92		
0#	8.38		
1#	7.47		
2#	6.68	0.45±0.1	
3#	5.94		
4#	5.28		
5#	4.72		
6#	4.22		
7#	3.87		
8#	3.38		
9#	3.00		
10#	2.69		0.35±0.1
11#	2.41		
12#	2.16		
13#	1.93		
14#	1.68		
15#	1.50		
16#	1.34		
17#	1.19		
18#	1.07	0.45±0.15	
19#	0.96		
20#	0.86		
21#	0.79		

◆ Inside Diameter tolerance ±5%, Other sizes are available upon special order.

Dimensions of CB-300/600(PE)

Size	AS supplied	Wall thickness for 300V	Wall thickness for 600V
Bφ0.9	0.95±0.05	0.38±0.05	0.5±0.06
Bφ1.4	1.45±0.05	0.38±0.05	0.62±0.06
Bφ2.0	2.05±0.05	0.38±0.05	0.62±0.06

Bφ2.5	2.55±0.05	0.38±0.05	0.62±0.06
Bφ3.0	3.1±0.1	0.5±0.06	0.62±0.06
Bφ3.4	3.5±0.1	0.5±0.06	0.62±0.06
Bφ4.0	4.1±0.1	0.5±0.06	0.62±0.06
Bφ4.8	4.9±0.1	0.5±0.06	0.62±0.06
Bφ5.8	5.9±0.1	0.5±0.06	0.62±0.06
Bφ6.3	6.4±0.1	0.5±0.06	0.62±0.06
Bφ6.8	6.9±0.1	0.5±0.06	0.62±0.06
Bφ7.3	7.4±0.1	0.5±0.06	0.62±0.06
Bφ7.8	7.9±0.1	0.5±0.06	0.62±0.06
Bφ9.7	8.9±0.1	0.5±0.06	0.62±0.06
Bφ10.6	9.85±0.2	0.5±0.06	0.62±0.06
Bφ11.6	10.8±0.2	0.5±0.06	0.62±0.06
Bφ12.6	11.8±0.2	0.62±0.06	0.75±0.06
Bφ13.6	12.8±0.2	0.62±0.06	0.75±0.06
Bφ14.6	13.8±0.2	0.62±0.06	0.75±0.06
Bφ15.6	14.8±0.2	0.62±0.06	0.75±0.06