

VIT-300, VIT-600

NON HEAT SHRINKABLE, FLEXIBLE, FLAME RETARDANT PVC TUBING

Applications

VIT-300/600 is a flexible, flame-retardant non heat shrinkable polyvinylchloride tube. These are widely used for protective covering for wires.

Features

- ★ Continuous operating temperature: -10°C to 105°C
- ★ Flammability: UL VW-1, CSA OFT
- ★ Excellent electrical properties
- ★ High resistance to chemicals

Standard

- ★ UL 224 (File Number: E84393)
- ★ CSA C22.2 (File Number: LR55659)

Specification Values

Property		Test Method	Value	
Physical	Unaged	Tensile strength	Min. 1.06 kgf/mm ²	
		Elongation	Min. 100%	
	Aged	Tensile strength	136°C/168 hrs	Min. 70% of the value of unaged specimens
		Elongation		
	Deformation		121°C/1 hr	Max. 50%
	Heat shock		121°C/1 hr	No crack
	Cold bend		- 10°C/1 hr	No crack
Flexibility		136°C/168 hrs	No crack	
Electrical	Dielectric strength		-	Min. 2.5kV/1 minute
	Volume resistivity		-	Min. 10 ¹⁰ Ω - cm
Chemical	Copper corrosion		136°C/168 hrs	No corrosion
	Copper stability		136°C/168 hrs	No sign of degradation
	Flammability		VW-1	Pass

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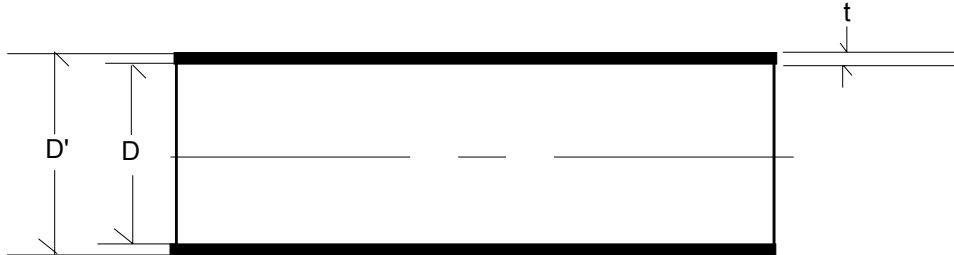


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Product Dimensions (mm)

Size	Internal Diameter Minimum (D)		VIT- 300				VIT- 600			
			Nominal Thickness (t)		Nominal Outer dia. (D')		Nominal Thickness (t)		Nominal Outer dia. (D')	
AWG Size	In.	mm	In.	mm	In.	mm	In.	mm	In.	Mm
22	0.0272	0.69	0.0118	0.30	0.0512	1.30	0.0209	0.53	0.0689	1.75
20	0.0339	0.86	0.0157	0.40	0.0650	1.65	0.0209	0.53	0.0748	1.90
18	0.0421	1.07	0.0157	0.40	0.0748	1.90	0.0209	0.53	0.0846	2.15
16	0.0528	1.34	0.0157	0.40	0.0827	2.10	0.0268	0.68	0.1358	3.45
14	0.0661	1.68	0.0157	0.40	0.0984	2.50	0.0268	0.68	0.1516	3.85
13	0.0760	1.93	0.0157	0.40	0.1083	2.75	0.0268	0.68	0.1614	4.10
12	0.0850	2.16	0.0157	0.40	0.1161	2.95	0.0268	0.68	0.1693	4.30
11	0.0949	2.41	0.0157	0.40	0.1260	3.20	0.0268	0.68	0.1791	4.55
10	0.1059	2.69	0.0157	0.40	0.1378	3.50	0.0268	0.68	0.1909	4.85
9	0.1181	3.00	0.0209	0.53	0.1594	4.05	0.0268	0.68	0.2126	5.40
8	0.1331	3.38	0.0209	0.53	0.1752	4.45	0.0268	0.68	0.2283	5.80
7	0.1480	3.76	0.0209	0.53	0.1890	4.80	0.0268	0.68	0.2421	6.15
6	0.1661	4.22	0.0209	0.53	0.2067	5.25	0.0268	0.68	0.2598	6.60
5	0.1858	4.72	0.0209	0.53	0.2264	5.75	0.0268	0.68	0.2795	7.10
4	0.2079	5.28	0.0209	0.53	0.2500	6.35	0.0268	0.68	0.3031	7.70
3	0.2339	5.94	0.0209	0.53	0.2756	7.00	0.0268	0.68	0.3287	8.35
2	0.2630	6.68	0.0209	0.53	0.3051	7.75	0.0268	0.68	0.3583	9.10
1	0.2913	7.40	0.0209	0.53	0.3307	8.40	0.0268	0.68	0.3839	9.75
0	0.3299	8.38	0.0209	0.53	0.3720	9.45	0.0268	0.68	0.4252	10.8
Inch Size										
3/8"	0.3740	9.50	0.0268	0.68	0.4291	10.90	0.0268	0.68	0.4291	10.90
7/16"	0.4331	11.0	0.0268	0.68	0.4862	12.35	0.0268	0.68	0.4862	12.35
1/2"	0.5000	12.7	0.0268	0.68	0.5531	14.05	0.0268	0.68	0.5531	14.05
9/16"	0.5630	14.3	0.0331	0.84	0.6299	16.00	0.0331	0.84	0.6299	16.00
5/8"	0.6260	15.9	0.0331	0.84	0.6929	17.60	0.0331	0.84	0.6929	17.60
3/4"	0.7520	19.1	0.0362	0.92	0.8248	20.95	0.0362	0.92	0.8248	20.95
7/8"	0.8740	22.2	0.0362	0.92	0.9469	24.05	0.0362	0.92	0.9469	24.05
1"	1.0000	25.4	0.0362	0.92	1.0728	27.25	0.0362	0.92	1.0728	27.25

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