

# FT-PVC105 Non-Shrink PVC TUBING



## Features:

- Multi-purpose extruded PVC insulation
- Superior thermal, mechanical and electrical properties
- Resistant to heat, oil, and abrasion
- Flexible wire protection for harnesses and ground straps
- Non-corrosive, high fungus resistance

## Description:

UL 224 (Sizes #18 to #0: UL rated 300V; 3/8" to 1": UL rated to 600V)

Operating temperature -20°C~105 °C

Flame resistance VW-1

RoHS Compliant

Reference color: Black, White and Clear.

Properties	Items	Specification Requirement
<b>Physical</b>	Tensile Strength	17.2Mpa
	Elongation	>300 %
	Longitudinal Shrinking Ratio	<±10 %
<b>Electrical</b>	Dielectric Strength	≥42.6 kv/mm
	Volume Resistivity	≥21.5*10 <sup>12</sup> Ω . cm
<b>Chemical</b>	Fluid Resistance	Good to Excellent
	Copper Corrosion	No corrosion

## Specification:

Gauge (AWG)	Nom. Inside Diam.		Nom. Wall Thickness		Min. Package
	Inch	mm	Inch	mm	Feet/Roll
0	0.3228	8.20	0.0177-0.0217	0.45-0.55	500
1	0.2913	7.40	0.0177-0.0217	0.45-0.55	500
2	0.2638	6.70	0.0157-0.0197	0.40-0.50	500
3	0.2323	5.90	0.0157-0.0197	0.40-0.50	1000
4	0.2087	5.30	0.0157-0.0197	0.40-0.50	1000
5	0.1890	4.80	0.0157-0.0197	0.40-0.50	1000
6	0.1654	4.20	0.0157-0.0197	0.40-0.50	1000
7	0.1417	3.60	0.0157-0.0197	0.40-0.50	1000
8	0.1299	3.30	0.0138-0.0177	0.35-0.45	1000
9	0.1181	3.00	0.0138-0.0177	0.35-0.45	1000
10	0.1063	2.70	0.0138-0.0177	0.35-0.45	1000
11	0.0945	2.40	0.0138-0.0177	0.35-0.45	1000
12	0.0827	2.10	0.0118-0.0157	0.30-0.40	1000
13	0.0748	1.90	0.0118-0.0157	0.30-0.40	1000
14	0.0630	1.60	0.0118-0.0157	0.30-0.40	1000
15	0.0591	1.50	0.0118-0.0157	0.30-0.40	1000
16	0.0512	1.30	0.0118-0.0157	0.30-0.40	1000
17	0.0472	1.20	0.0118-0.0157	0.30-0.40	1000
18	0.0421	1.07	0.0118-0.0157	0.30-0.40	1000
3/8*	0.3740	9.50	0.0217-0.0256	0.55-0.65	250
7/16*	0.4370	11.10	0.0217-0.0256	0.55-0.65	250
1/2*	0.5000	12.70	0.0217-0.0256	0.55-0.65	250
9/16*	0.5630	14.30	0.0236-0.0295	0.60-0.75	250
5/8*	0.6260	15.90	0.0236-0.0295	0.60-0.75	250
3/4*	0.7480	19.00	0.0276-0.0335	0.70-0.85	50
7/8*	0.8740	22.20	0.0276-0.0335	0.70-0.85	25
1*	1.0000	25.4	0.0276-0.0335	0.70-0.85	20

“\*” Rated voltage: 600 V