

## Customer Specification

### PART NO. PVC-105-19

### Construction

1) Tubing Type	Tubing Non Shrinkable
2) Tubing Material	PVC
3) Minimum ID(In)	0.036
4) Maximum ID(In)	0.044
5) Nominal Wall Thickness(In)	0.016
6) Color(s)	BLACK, CLEAR

### Applicable Specifications

1) UL	Standard 224	
	VW-1	
2) CSA International	Standard 198	
3) Military	MIL-I-631D, Type F, Form U, Subform Ua, Grade C	
4) Other	ASTM D 922	

### Environmental

1) EU Directive 2011/65/EU(RoHS2):	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for <a href="#">RoHS C of C</a> .
2) REACH Regulation (EC 1907/2006):	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see <a href="#">Alpha's REACH SVHC Declaration</a> .
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

# Properties

<b>Physical &amp; Mechanical Properties</b>		
1) Temperature Range	-20 to 105°C	
2) Tensile Strength	2780psi, Min	ASTM D638
3) Elongation	260%, Min	ASTM D638
4) Specific Gravity	1.35, Max	ASTM D792
<b>Electrical Properties</b>		
1) Dielectric Strength	870 V/mil, Min	ASTM D876
2) Volume Resistivity	2x10 <sup>14</sup> ohm-cm, Min	ASTM D876
<b>Chemical Properties</b>		
1) Corrosion(0°C,16hrs)	no corrosion	AMS-DTL-23053
2) Fungus Resistance	Pass	AMS-DTL-23053
3) Halogen Free	No	
4) Lead Free	Yes	

# Other

<b>Packaging</b>	
1000 FT	
<b>Notes</b>	
1) Size #24 through Size #1: UL rated for 300V	
2) Size 5/16 through Size 2": UL rated for 600V	

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