

## Customer Specification

### PART NO. PVC-105-1IN

### Construction

1) Tubing Type	Tubing Non Shrinkable
2) Tubing Material	PVC
3) Minimum ID(In)	1.000
4) Maximum ID(In)	1.036
5) Nominal Wall Thickness(In)	0.035
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>	
50 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	

[www.alphawire.com](http://www.alphawire.com)

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# EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: PVC-105-1IN

PVC-105-1IN, RoHS-Compliant Commencing With 1/1/2006 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials is fully compliant with Directive 2011/65/ Directive, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipr 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with U definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** It should be noted that this prc this Certificate is offered for cases where this product will be used within EEE that does fit within the Directive's scope. Additionally, Alpha c RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006. This product is also in compliance w

## Substance

Lead  
Mercury  
Cadmium  
Hexavalent Chromium  
Polybrominated Biphenyls (PBB)  
Polybrominated Diphenyl Ethers (PBDE) ,  
Including Deca-BDE  
Bis(2-ethylhexyl) phthalate (DEHP)  
Butyl benzyl phthalate (BBP)  
Dibutyl phthalate (DBP)  
Diisobutyl phthalate (DIBP)

## Maximum Control Value

0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
0.01% by weight (100 ppm)  
0.1% by weight (1000 ppm)  
0.1% by weight (1000 ppm)  
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The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the d general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legisl product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 11/23/2024

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