

# Customer Specification PART NO. ST-302-3/16

#### Construction

00.104.0.01.01.		
1) Tubing Type	Adhesive Lined Heat Shrinkable Tubing	
2) Tubing Material	Irradiated Polyolefin w/ Adhesive	
3) Minimum Supplied ID(In)	0.187	
4) Maximum Recovered ID(In)	0.093	
5) Minimum Recovered Adhesive Wall Thickness(In)	0.026	
6) Color(s)	BLACK	

**Applicable Specifications** 

Standard 224125c / 600 Vrms	
All Tubing Flame Test	
Standard 198	
AMS-DTL-23053/4, Class 2	
	All Tubing Flame Test Standard 198

#### Environmental

1) EU Directive 2002/95/EC(RoHS):			
All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.			
2) REACH Regulation (EC 1907/2006):			
This product does not contain any of the 16 substances listed on the European Union's REACH Substance of Very High Concern (SVHC) candidate list in excess of 0.1% mass of the item.			
The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.			

## **Properties**

-55 to 110°C  Approximately 2:1  110°C			
110°C			
1500psi, Min	ASTM D638		
200%, Min	ASTM D638		
no cracking	ASTM D746		
no cracking	AMS-DTL-23053		
+1%/5%	AMS-DTL-23053		
3 Years @ 18 to 35°C			
Electrical Properties			
500 V/mil, Min	ASTM D876		
1x10 <sup>12</sup> ohm-cm, Min	ASTM D876		
Chemical Properties			
0.50%, Max	ASTM D570		
no corrosion	AMS-DTL-23053		
1000 PSI, Min	AMS-DTL-23053		
Pass	AMS-DTL-23053		
No			
Yes			
	1500psi, Min  200%, Min  no cracking  no cracking  +1%/5%  3 Years @ 18 to 35°C   500 V/mil, Min  1x10 <sup>12</sup> ohm-cm, Min  0.50%, Max  no corrosion  1000 PSI, Min  Pass  No		

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### **EU/China ROHS CERTIFICATE OF COMPLIANCE**

To Whom It May Concern:

Alpha Wire Part Number: ST-302-3/16

ST-302-3/16, RoHS-Compliant Commencing With 11/5/2005 Production

This document certifies that the Alpha part number cited above are manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

Substance	<b>Maximum Control Value</b>
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE),	
Including Deca-BDE	0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a 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 of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering & QA

2/1/2013