Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. 3081

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	10 (105/30) AWG TC	0.120
b) Insulation	0.032" Wall, Nom. PVC	0.184+/- 0.004
(1) Print	ALPHA WIRE E163872-* (UL) MTW OR TW 600V OR AWM STYLE 1015/1230 105C 600V VW-1 10 AWG ---- LLXXXX CSA AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1 CE ROHS {0} * = Factory Code *[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*	
(2) Color(s)	WHITE, BLACK, RED, GREEN	

Applicable Specifications

1) UL	AWM/STYLE 1015	105°C / 600 V_{RMS}
	MTW	90°C Dry / 60°C Wet / 600 V_{RMS}
	AWM/STYLE 1230	105°C / 600 V_{RMS}
	TW	60°C Dry / 60°C Wet / 600 V_{RMS}
	VW-1	
2) CSA International	TEW-105	105°C / 600 V_{RMS}
	AWM I A/B	105°C / 600 V_{RMS}
	FT1	
3) CE:	EU Low Voltage Directive 2006/95/EC	

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 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 Alpha's REACH SVHC Declaration.
3) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	5X Cable Diameter
3) Pull Tension	82 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V_{RMS}
2) Inductance	0.04 µH/ft, Nominal
3) Conductor DCR	1.08 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 6 x 3.5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 2 x 1.9 Continuous length
	[Spool dimensions may vary slightly]
Notes:	
a) Certain colors and put-ups are available as a special order only, minimums may apply.	

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:3081

3081 , RoHS-Compliant Commencing With1/1/2005Production

This document certifies that the Alpha part numbers cited above are manufactured in accordancewith Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003,better known as the RoHS Directives, with regards to restrictions of the use of certain hazardoussubstances used in the manufacture of electrical and electronic equipment. The reader is referredto these Directives for the specific definitions and extents of these Directives. ***No Exemptions arerequired for RoHS Compliance on this item.***

Substance	**Maximum Control Value**

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) Polybrominated Diphenyl Ethers (PBDE)	0.1% by weight (1000 ppm)
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'sknowledge, information and belief at the date of its release. The information provided is designedonly as a general guide for the safe handling, storage, and any other operation of the productitself or the one that it will become part of. The intent of this document is not to be considered awarranty or quality specification. Regulatory information is for guidance purposes only. Productusers are responsible for determining the applicability of legislation and regulations based ontheir individual usage of the product.

Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA 10/31/2012