

# Customer Specification

## PART NO. 460819

### Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	8 (19/.0295) AWG BC	0.148
b) Insulation	0.047" Wall, Nom. PVC	0.242+/- 0.004
(1) Print	8 AWG EXXXXX (UL) MTW OR TW 600V OR AWM 1028/1231 105C 600V VW-1 OR C(RU) AWM I A/B 105C 600V FT1 --- LLXXXXX CSA TEW 105C 600V FT1 (LOT#/DATE CODE) <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET	

### Applicable Specifications

1) UL	MTW	90°C Dry / 60°C Wet / 600 V <sub>RMS</sub>
	VW-1	
	AWM/STYLE 1028	105°C / 600 V <sub>RMS</sub>
	AWM/STYLE 1231	105°C / 600 V <sub>RMS</sub>
	TW	60°C Dry / 60°C Wet / 600 V <sub>RMS</sub>
2) CSA International	FT1	
	TEW-105	105°C / 600 V <sub>RMS</sub>
	C(RU) AWM I A/B FT1	105°C / 600 V <sub>RMS</sub>

### 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.

### Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	130 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Inductance	0.04 μH/ft, Nominal
3) Conductor DCR	0.64 /1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 5000 FT	30 x 14 x 12 Continuous length
b) 1000 FT	12 x 10 x 5 Continuous length
c) 500 FT	12 x 4.5 x 3.5 Continuous length
d) Bulk(Made-to-order)	
	[Spool dimensions may vary slightly]

www.alphawire.com

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:460819

460819 , RoHS-Compliant Commencing With7/1/2005Production

*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 hazardousubstances 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

Lead

### Maximum Control Value

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)	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'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

11/1/2012

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