



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

Customer Specification

PART NO. 7054

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	24 (7/32) AWG TC	0.024
b) Insulation	0.010" Wall, Nom. PVC, Irradiated	0.044+/- 0.002
(1) Print	ALPHA WIRE-* EXXXXXX RU AWM 1429 80C 150V VW-1 LLXXXXXX CSA AWM I A/B 80C 150V FT1 ROHS * = Factory 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	AWM/STYLE 1429	80°C / 150 V _{RMS}
2) CSA International	FT1	
	AWM I A/B	80°C / 150 V _{RMS}
3) Military	MIL-W-16878E TYPE B	105°C / 600 V _{RMS}

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) 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	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	3.5 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	150 V _{RMS}
2) Inductance	0.05 µH/ft, Nominal
3) Conductor DCR	25 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	6.5 x 2 x 1.9 Continuous length
b) 100 FT	2.75 x 1 x 1.125 Continuous length
	[Spool dimensions may vary slightly]

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 7054

7054 , RoHS-Compliant Commencing With 6/1/2005 Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with 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 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.***

Substance

Lead

Mercury

Maximum Control Value

0.1% by weight (1000 ppm)

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)

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Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA

11/1/2012

Mouser Electronics

Authorized Distributor

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