

Customer Specification

PART NO. 461816

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	18 (16/30) AWG BC	0.047
b) Insulation	0.032" Wall, Nom. PVC	0.111+/- 0.004
(1) Print	ALPHA WIRE-* 18 AWG EXXXXX (UL) MTW OR AWM 1015/1230 105C 600V VW-1 LLXXXXX CSA AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1 * = 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 1015	105°C / 600 V _{RMS}
	AWM/STYLE 1230	105°C / 600 V _{RMS}
	MTW	90°C Dry / 60°C Wet / 600 V _{RMS}
	VW-1	
2) CSA International	AWM I A/B	80°C / 300 V _{RMS}
	FT1	
	TEW-105	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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	12.6 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.07 µH/ft, Nominal
3) Conductor DCR	6.6 /1000ft @20°C, Nominal

Other

1) Packaging	
a) 5000 FT	
b) 1000 FT	
c) 500 FT	
d) Bulk(Made-to-order)	

www.alphawire.com

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Tel: 1-800-52 ALPHA (25742)

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:461816

461816 , RoHS-Compliant Commencing With6/22/2007Production

*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	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.1% 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)

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Authorized Signatory for the Alpha Wire Company:

Dave Watson, Director of Engineering &QA

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