

Customer Specification

PART NO. 781816

Construction

		Diameters (In)
1) Component 1	1 X 1 HOOKUP	
a) Conductor	18 (16/30) AWG TC	0.047
b) Insulation	0.032" Wall, Nom. PVC	0.111+/- 0.004
(1) Print	18 AWG EXXXXXX (UL) MTW OR AWM 1015/1230 105C 600V VW-1 LLXXXXX CSA AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1 <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}
	VW-1	
	AWM/STYLE 1230	105°C / 600 V _{RMS}
2) CSA International	MTW	90°C Dry / 60°C Wet / 600 V _{RMS}
	AWM I A/B	105°C / 600 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.
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	-20 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	7.1 /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 2000 FT	18 x 12 x 8 Continuous length
b) 1000 FT	12 x 12 x 3.5 Continuous length
c) 500 FT	12 x 4.5 x 3.5 Continuous length
d) 100 FT	6.5 x 2 x 1.875 Continuous length
e) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:781816

781816 , RoHS-Compliant Commencing With11/21/2006Production

*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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