

Customer Specification

PART NO. 461219

Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	12 (19/.0185) AWG Bare Copper	0.091
b) Insulation	0.032" Wall, Nom. PVC	0.157+/- 0.004
(1) Print	ALPHA WIRE-* 12 AWG E163872-* (UL) MTW OR TW OR AWM 1015/1230 105C 600V VW-1 OR C(RU) AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1 CE ROHS * = Factory Code	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET, GREEN/YELLOW	

Applicable Specifications

1) UL	AWM/STYLE 1015	105°C / 600 V _{RMS}
	AWM/STYLE 1230	105°C Dry / 60°C Wet / 600 V _{RMS}
	MTW	90°C Dry / 60°C Wet / 600 V _{RMS}
	VW-1	
	TW	60°C Dry / 60°C Wet / 600 V _{RMS}
2) CSA International	C(RU) AWM I A/B FT1	105°C / 600 V _{RMS}
	C(RU) TEW	105°C / 600 V _{RMS}

Environmental

1) EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment.
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.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-40 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	51 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.05 μH/ft, Nominal
3) Conductor DCR	1.73 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 5000 FT	18 x 14.25 x 8 Continuous length
b) 1000 FT	12 x 5.94 x 5 Continuous length
c) 500 FT	10.5 x 5 x 3.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Material is manufactured to wall thickness	
b) Certain colors and put-up combinations may only be available by special order, minimums may apply.	

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

SpecPDFFooterConfidential



Alpha 2011/65/EU RoHS2 2015/863/EU
RoHS SJ/T 11364-2014

□□□□

Lead	□□□□□□□□□□0.1% (1000 ppm)
Mercury	□□□□□□□□□□0.1% (1000 ppm)
Cadmium	□□□□□□□□□□0.01% (100 ppm)
Hexavalent Chromium	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Biphenyls (PBB)	□□□□□□□□□□0.1% (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE	□□□□□□□□□□0.1% (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	□□□□□□□□□□0.1% (1000 ppm)
Butyl benzyl phthalate (BBP)	□□□□□□□□□□0.1% (1000 ppm)
Dibutyl phthalate (DBP)	□□□□□□□□□□0.1% (1000 ppm)
Diisobutyl phthalate (DIBP)	□□□□□□□□□□0.1% (1000 ppm)

Alpha Wire

Alpha Wire □□□□□□□□

DeBW

