

Customer Specification

PART NO. 6718

Construction

	Diameters (In)	
1) Component 1	1 X 1 HOOKUP	
a) Conductor	12 (65/30) AWG Tinned Copper	0.093
b) Insulation	0.012" Wall, Nom. MPPE	0.117+/- 0.002
(1) Print	ALPHA WIRE ECOWIRE TM 12 AWG E163869- RU AWM 11028 105C 600V VW-1 --- CRU AWM I A/B 105C 600V FT1 CE ROHS {0} * = Factory Code	
(2) Color(s)	WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN ORANGE, SLATE, VIOLET, GREEN/YELLOW, DARK BLUE	

Applicable Specifications

1) UL	AWM/STYLE 11028	105°C / 600 V _{RMS}
	VW-1	
2) CSA International	C(RU) AWM I A/B FT1	105°C / 600 V _{RMS}
3) Other	Halogen-Free	
	IEC 60332-1 Flame Behavior	
4) CE:	EU Low Voltage Directive 2014/35/EU	

Environmental

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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	5X Cable Diameter
3) Pull Tension	51 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V _{RMS}
2) Inductance	0.03 μH/ft, Nominal
3) Conductor DCR	1.75 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 500 M	10.5 x 5 x 3.5 Continuous length
b) 1000 FT	9 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 3 x 3.25 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
Notes:	
a) Certain colors and put-up combinations may only be available by special order, minimums may apply.	

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EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 6718

6718, RoHS-Compliant Commencing With 01/07/2009 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Union (RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This document also certifies that the listed part number is in compliance with the list of restricted substances to 10 items (commonly known as RoHS 3). The reader is referred to these Directives for the specific definitions and restrictions. **Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control" requirements.

Substance

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

Maximum Control Value

0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
0.01% by weight (100 ppm)
0.1% by weight (1000 ppm)
0.1% by weight (1000 ppm)
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Dave Watson, Director of Engineering & QA 31/03/2025

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