

# Customer Specification

## PART NO. 6718

### Construction

|                |                                                                                                                   | Diameters (In) |
|----------------|-------------------------------------------------------------------------------------------------------------------|----------------|
| 1) Component 1 | 1 X 1 HOOKUP                                                                                                      |                |
| a) Conductor   | 12 (65/30) AWG TC                                                                                                 | 0.093          |
| b) Insulation  | 0.012" Wall, Nom. Modified Polyphenylene Ether                                                                    | 0.117+/- 0.002 |
| (1) Print      | ALPHA WIRE ECOWIRE TM 12 AWG E163869-DB<br>RU AWM 11028 105C 600V VW-1 --- CRU AWM I A/B<br>105C 600V FT1 CE ROHS |                |
| (2) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET, GREEN/YELLOW, DARK BLUE                   |                |

### Applicable Specifications

|                      |                                   |                              |
|----------------------|-----------------------------------|------------------------------|
| 1) UL                | AWM/STYLE 11028                   | 105°C / 600 V <sub>RMS</sub> |
|                      | VW-1                              |                              |
| 2) CSA International | C(RU) AWM I A/B FT1               | 105°C / 600 V <sub>RMS</sub> |
| 3) Other             | Halogen-Free                      |                              |
|                      | IEC 60332-2 Flame Behavior        |                              |
| 4) CE:               | LVD 73/23/EEC Amendment 93/68/EEC |                              |

### 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) REACH Regulation (EC 1907/2006): |                                                                                                                                                                                                                                                                              |
|                                     | This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.                                                        |

### 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 <sub>RMS</sub>            |
| 2) Inductance                    | 0.03 µH/ft, Nominal             |
| 3) Conductor DCR                 | 1.75 /1000ft @20°C, Nominal     |

## Other

| Packaging  | Flange x Traverse x Barrel (inches)  |
|------------|--------------------------------------|
| a) 1000 FT | 9 x 4.5 x 3.5 Continuous length      |
| b) 100 FT  | 6.5 x 3 x 3.25 Continuous length     |
|            | [Spool dimensions may vary slightly] |

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207  
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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:6718

6718 , RoHS-Compliant Commencing With7/1/2009Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordancewith 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 hazardousubstances used in the manufacture of electrical and electronic equipment. The reader is referredto these Directives for the specific definitions and extents of these Directives. **No Exemptions arerequired 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             | 0.01% by weight (100 ppm) |
| Hexavalent Chromium | 0.1% by weight (1000 ppm) |

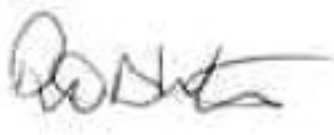
Polybrominated Biphenyls (PBB)  
Polybrominated Diphenyl Ethers (PBDE)  
Including Deca-BDE

0.1% by weight (1000 ppm)

0.1% by weight (1000 ppm)

*The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.*

Authorized Signatory for the Alpha Wire Company:

A handwritten signature in dark ink, appearing to read 'Dave Watson', is written over a light gray rectangular background.

Dave Watson, Director of Engineering & QA

11/1/2012

# Mouser Electronics

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