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# Customer Specification

## PART NO. 6719

### Construction

|                |   | Diameters (In) |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 10 (105/30) AWG TC  | 0.120          |
| b) Insulation  | 0.012" Wall, Nom. Modified Polyphenylene Ether  | 0.144+/- 0.002 |
| (1) Print      | ALPHA WIRE ECOWIRE TM 10 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 60332-1 Flame Behavior          |                              |
|                      | IEC 60332-2 Flame Behavior          |                              |
| 4) CE:               | EU Low Voltage Directive 2006/95/EC |                              |

### Environmental

|                                     |   |
|-------------------------------------|---|
| 1) EU Directive 2011/65/EU(RoHS2):  | All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C. |
| 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. For up-to-date information, please see Alpha's REACH SVHC Declaration.                             |

### Properties

| Physical & Mechanical Properties |                              |
|----------------------------------|------------------------------|
| 1) Temperature Range             | -40 to 105°C                 |
| 2) Bend Radius                   | 10X Cable Diameter           |
| 3) Pull Tension                  | 82 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                 | 1.08 Ω/1000ft @20°C, Nominal |

## Other

|   |   |
|---|---|
| <b>Packaging</b>  | Flange x Traverse x Barrel (inches)         |
| a) 1000 FT  | 12 x 4.5 x 3.5 Continuous length            |
| b) 100 FT   | 6.5 x 3 x 3.25 Continuous length            |
|   | <i>[Spool dimensions may vary slightly]</i> |
| <b>Notes:</b>   |   |
| a) Certain colors and put-up combinations may only be available by special order, minimums may apply. |   |

[www.alphawire.com](http://www.alphawire.com)

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 6719

6719 , RoHS-Compliant Commencing With 7/1/2009 Production

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive, 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 this Directive for the specific definitions and extents of this Directive. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2006.

| 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)                                | 0.1% by weight (1000 ppm)  |
| Polybrominated Diphenyl Ethers (PBDE) ,<br>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

12/7/2015

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