

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 6710**  
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**Issue: 7**  
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**Effective Date: 1/18/2013**

- | <b>A. Construction</b> | <b>Diameters (In)</b>   |
|------------------------|---|
| 1) Component 1         | 1 X 1 HOOKUP  |
| a) Conductor           | 28 (7/36) AWG TC  |
| b) Insulation          | 0.0095" Wall, Nom. Modified Polyphenylene Ether   |
| (1) Color(s)           | 0.034+/- 0.002<br>WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET, GREEN/YELLOW, DARK BLUE |
- B. 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                        |                              |
| 4) CE:               | EU Low Voltage Directive 2006/95/EC |                              |
- C. Environmental Compliance**
- 1) RoHS Directive (2011/65/EU):  
All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. No Exemptions are required for RoHS Compliance on this item. 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](#).
- D. Physical & Mechanical Properties**
- 1) Temperature Range -40 to 105°C
  - 2) Bend Radius 10X Cable Diameter
  - 3) Pull Tension 1.37 Lbs, Maximum
- E. Electrical Properties**  
(For Engineering purposes only)
- 1) Voltage Rating 600 V<sub>RMS</sub>
  - 2) Inductance 0.06 µH/ft, Nominal
  - 3) Conductor DCR 65 Ω/1000ft @20°C, Nominal
- F. Other**
- 1) Packaging Flange x Traverse x Barrel (inches)
    - a) 25000 DR 23 x 20 x 0 Max. 2 separate pieces; Min length/piece 5000 FT.
    - b) 5000 FT 9 x 4.5 x 3.5 Continuous length
    - c) 1000 FT 6.5 x 3 x 3.25 Continuous length
    - d) 100 FT 3.75 x 2 x 1.75 Continuous length  
*[Spool dimensions may vary slightly]*
  - 2) Notes:
    - a) Certain colors and put-up combinations may only be available by special order, minimums may apply.

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