

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

**Part Number: 6715S**  
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**Issue: 1**  
**Issue Date: 8/19/2009**  
**Effective Date: 8/19/2009**

**A. Construction**

**Diameters (In)**

- |                |  |                |
|----------------|--|----------------|
| 1) Component 1 | 1 X 1 HOOKUP   |                |
| a) Conductor   | 18 (SOLID) AWG TC  | 0.040          |
| b) Insulation  | 0.0095" Wall, Nom. Modified Polyphenylether  | 0.059+/- 0.002 |
| (1) Print      | 18 AWG<br>E20042-* (UR) AWM 11028 105C 600V VW-1<br>CRU AWM I A/B 105C 600V FT1              |                |
| (2) Color(s)   | ROHS<br>WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET, YELLOW/GREEN |                |

**B. Industry Approvals**

- |                      |                     |                              |
|----------------------|---------------------|------------------------------|
| 1) UL                | AWM/STYLE 11028     | 105°C / 600 V <sub>RMS</sub> |
| 2) CSA International | C(RU) AWM I A/B FT1 | 105°C / 600 V <sub>RMS</sub> |
| 3) Other             | Halogen-Free        |                              |

**C. Environmental Approvals**

- 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 16 substances listed on the European Union's REACH Substance of Very High Concern (SVHC) candidate list in excess of 0.1% mass of the item.

**D. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -40 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 12.8 Lbs, Maximum  |

**E. Electrical Properties**

- |                                 |                             |
|---------------------------------|-----------------------------|
| (For Engineering purposes only) |                             |
| 1) Voltage Rating               | 600 V <sub>RMS</sub>        |
| 2) Inductance                   | 0.04 µH/ft, Nominal         |
| 3) Conductor DCR                | 6.6 Ω/1000ft @20°C, Nominal |

**F. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
| a) 1000 FT   |  |
| b) 100 FT    |  |

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