

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

**Part Number: 6714**  
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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   | 20 (10/30) AWG TC                             | 0.036          |
| b) Insulation  | 0.0095" Wall, Nom. Modified Polyphenylether   | 0.055+/- 0.002 |
| (1) Print      | 20 AWG  |                |
|                | E20042-* (UR) AWM 11028 105C 600V VW-1        |                |
|                | CRU AWM I A/B 105C 600V FT1                   | ROHS           |
| (2) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN |                |
|                | 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      | 7.9 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  | 10.6 Ω/1000ft @20°C, Nominal |

**F. Other**

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

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