

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

**Part Number: 7053**  
**Page 1 of 1 Pages**

**Issue: 6**  
**Issue Date: 2/21/2008**  
**Effective Date: 2/21/2008**

**A. Construction**

**Diameters**

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 26 (7/34) AWG TC  |                |
| b) Insulation  | 0.010" Wall, Nom. PVC, Irradiated                                     | 0.039+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET |                |

**B. Industry Approvals**

- |                                   |                     |              |
|-----------------------------------|---------------------|--------------|
| 1) UL                             | AWM/STYLE1429       | 80°C / 150V  |
| 2) CSA International              | AWM-I-A/B<br>FT1    | 80°C / 150V  |
| 3) Military                       | MIL-W-16878E TYPE B | 105°C / 600V |
| 4) 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.

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|-------------------------------|--|
| 5) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |
|-------------------------------|--|

**C. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -55 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 2.18 Lbs, Maximum  |

**D. Electrical Properties**

(For Engineering purposes only)

- |                   |                            |
|-------------------|----------------------------|
| 1) Voltage Rating | 150 V <sub>RMS</sub>       |
| 2) Inductance     | 0.06 µH/ft, Nominal        |
| 3) Conductor DCR  | 41 Ω/1000ft @20°C, Nominal |

**E. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
| a) 10000 FT  |  |
| b) 1000 FT   |  |
| c) 100 FT    |  |

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