

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

**Part Number: 3048**  
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**Issue: 7**  
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**A. Construction**

**Diameters**

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 28 (7/36) AWG TC  |                |
| b) Insulation  | 0.016" Wall, Nom. PVC   | 0.047+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET |                |

**B. Industry Approvals**

- |                                   |  |              |
|-----------------------------------|--|--------------|
| 1) UL                             | AWM/STYLE1007  | 80°C / 300V  |
|                                   | AWM/STYLE1569  | 105°C / 300V |
|                                   | VW-1   |              |
| 2) CSA International              | TR-64  | 90°C / 300V  |
|                                   | FT1  |              |
| 3) 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. |              |
| 4) 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 | -40 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 1.37 Lbs, Maximum  |

**D. Electrical Properties**

- |                   |                                 |
|-------------------|---------------------------------|
|                   | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V <sub>RMS</sub>            |
| 2) Inductance     | 0.08 µH/ft, Nominal             |
| 3) Conductor DCR  | 65 Ω/1000ft @20°C, Nominal      |

**E. Other**

- |              |  |
|--------------|--|
| 1) Packaging |  |
| a) 5000 FT   |  |
| b) 1000 FT   |  |
| c) 100 FT    |  |

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