

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 1808**  
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**Issue: 5**  
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**A. Construction**

**Diameters**

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 24 (SOLID) AWG SPC  |                |
| b) Insulation  | 0.0045" Wall, Nom. Tefzel(ETFE)                                       | 0.030+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET |                |

**B. Industry Approvals**

- |                                   |  |       |
|-----------------------------------|--|-------|
| 1) UL                             | AWM/STYLE1516  | 105°C |
| 2) 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. |       |
| 3) 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 | -70 to 150°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 3.2 Lbs, Maximum   |

**D. Electrical Properties**

- |                                 |                            |
|---------------------------------|----------------------------|
| (For Engineering purposes only) |                            |
| 1) Voltage Rating               | NOT SPECIFIED              |
| 2) Inductance                   | 0.04 µH/ft, Nominal        |
| 3) Conductor DCR                | 26 Ω/1000ft @20°C, Nominal |

**E. Other**

- |  |  |
|--|--|
| 1) Packaging   |  |
| a) 1000 FT   |  |
| b) 100 FT  |  |
| 2) Notes:  |  |
| a) Due to the nature of this polymer, the insulation of this product does not meet Munsell color requirements. |  |

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