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

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Part Number: 1551  
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Issue: 5  
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**A. Construction**

Diameters

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|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 22 (7/30) AWG TC  |                |
| b) Insulation  | 0.016" Wall, Nom. PVC   | 0.062+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET, WHITE/BLACK, WHITE/RED<br>WHITE/GREEN, WHITE/YELLOW, WHITE/BLUE<br>WHITE/BROWN, WHITE/ORANGE, WHITE/GRAY<br>WHITE/VIOLET |                |

**B. Industry Approvals**

- |                                   |  |              |
|-----------------------------------|--|--------------|
| 1) Military                       | MIL-W-76B TYPE MW  | 80°C / 1000V |
| 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 | -40 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 5.5 Lbs, Maximum   |

**D. Electrical Properties**

- |                   |                                 |
|-------------------|---------------------------------|
|                   | (For Engineering purposes only) |
| 1) Voltage Rating | 1000 V <sub>RMS</sub>           |
| 2) Inductance     | 0.06 µH/ft, Nominal             |
| 3) Conductor DCR  | 16.2 Ω/1000ft @20°C, Nominal    |

**E. Other**

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

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