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

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**A. Construction**

Diameters

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 14 (41/30) AWG TC   |                |
| b) Insulation  | 0.016" Wall, Nom. PVC   | 0.106+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET |                |

**B. Industry Approvals**

- |             |                   |              |
|-------------|-------------------|--------------|
| 1) Military | MIL-W-76B TYPE MW | 80°C / 1000V |
|-------------|-------------------|--------------|

**C. Physical & Mechanical Properties**

- |                      |                    |
|----------------------|--------------------|
| 1) Temperature Range | -40 to 80°C        |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 32 Lbs, Maximum    |
- D. Electrical Properties** (For Engineering purposes only)

- |                   |                             |
|-------------------|-----------------------------|
| 1) Voltage Rating | 1000 V <sub>RMS</sub>       |
| 2) Inductance     | 0.04 µH/ft, Nominal         |
| 3) Conductor DCR  | 2.8 Ω/1000ft @20°C, Nominal |

**E. Other**

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

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