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

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Part Number: 1856

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Issue: 6

Issue Date: 4/21/2005

Effective Date: 6/30/2005

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**A. Construction**

Diameters

- |                |   |                |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 20 (7/28) AWG TC  |                |
| b) Insulation  | 0.010" Wall, Nom. PVC   | 0.058+/- 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 LW | 90°C / 300V  |
|             | MIL-W-16878E/1    | 105°C / 600V |
- 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 | -55 to 105°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 8.7 Lbs, Maximum   |

**D. Electrical Properties**

- (For Engineering purposes only)
- |                   |                              |
|-------------------|------------------------------|
| 1) Voltage Rating | 600 V <sub>RMS</sub>         |
| 2) Inductance     | 0.04 µH/ft, Nominal          |
| 3) Conductor DCR  | 10.1 Ω/1000ft @20°C, Nominal |

**E. Other**

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

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