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

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Part Number: 5851  
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**A. Construction**

Diameters

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|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP  |                |
| a) Conductor   | 30 (7/38) AWG SPC   |                |
| b) Insulation  | 0.010" Wall, Nom. Teflon(PTFE)  | 0.032+/- 0.004 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, GRAY, VIOLET |                |

**B. Industry Approvals**

- |                                   |                     |              |
|-----------------------------------|---------------------|--------------|
| 1) UL                             | AWM/STYLE1213       | 105°C        |
| 2) Military                       | MIL-W-16878E Type E | 200°C / 600V |
| 3) Other                          | NEMA HP3-EXBBB      |              |
| 4) 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.

- 5) 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**

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|----------------------|--------------------|
| 1) Temperature Range | -60 to 200°C       |
| 2) Bend Radius       | 10X Cable Diameter |
| 3) Pull Tension      | 0.88 Lbs, Maximum  |

**D. Electrical Properties**

- |                   |                                 |
|-------------------|---------------------------------|
|                   | (For Engineering purposes only) |
| 1) Voltage Rating | 600 V <sub>RMS</sub>            |
| 2) Inductance     | 0.07 µH/ft, Nominal             |
| 3) Conductor DCR  | 94 Ω/1000ft @20°C, Nominal      |

**E. Other**

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

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