

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

**Part Number: 7132**  
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**Issue: 5**  
**Issue Date: 1/8/2008**  
**Effective Date: 2/29/2008**

**A. Construction**

**Diameters**

- |                |  |                |
|----------------|--|----------------|
| 1) Component 1 | 1 X 1 HOOKUP   |                |
| a) Conductor   | 20 (7/28) AWG TC   |                |
| b) Insulation  | 0.016" Wall, Nom. PVC, Irradiated  | 0.070+/- 0.002 |
| (1) Print      | ALPHA WIRE-*   |                |
|                | EXXXXXX RU AWM 1430 105C 300V VW-1   |                |
|                | LLXXXXXX CSA REW XLPVC 105C 300V FT1   ROHS  |                |
|                | * = Factory Code   |                |
|                | <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> |                |
| (2) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN  |                |
|                | ORANGE, GRAY, VIOLET   |                |

**B. Industry Approvals**

- |                                   |  |               |
|-----------------------------------|--|---------------|
| 1) UL                             | AWM/STYLE1430  | 105°C / 300V  |
| 2) CSA International              | REW-XLPVC<br>FT1   | 105°C / 300V  |
| 3) Military                       | MIL-W-16878E Type C  | 105°C / 1000V |
| 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**

- |                      |                    |
|----------------------|--------------------|
| 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               | 300 V <sub>RMS</sub>         |
| 2) Inductance                   | 0.05 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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