

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

**Part Number: 7134**  
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**Issue: 5**  
**Issue Date: 1/8/2008**  
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**A. Construction**

**Diameters**

- |                |                                                                                            |                |
|----------------|--------------------------------------------------------------------------------------------|----------------|
| 1) Component 1 | 1 X 1 HOOKUP                                                                               |                |
| a) Conductor   | 16 (19/.0117) AWG TC                                                                       |                |
| b) Insulation  | 0.016" Wall, Nom. PVC, Irradiated                                                          | 0.088+/- 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, YELLOW/GREEN                                                         |                |

**B. Industry Approvals**

- |                                   |                                                                                                                                                                                                                                                                              |               |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 1) UL                             | AWM/STYLE1430                                                                                                                                                                                                                                                                | 105°C / 300V  |
| 2) CSA International              | REW-XLPVC                                                                                                                                                                                                                                                                    | 105°C / 300V  |
|                                   | FT1                                                                                                                                                                                                                                                                          |               |
| 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      | 20.4 Lbs, Maximum  |

**D. Electrical Properties**

- |                   |                                 |
|-------------------|---------------------------------|
|                   | (For Engineering purposes only) |
| 1) Voltage Rating | 300 V <sub>RMS</sub>            |
| 2) Inductance     | 0.04 µH/ft, Nominal             |
| 3) Conductor DCR  | 4.3 Ω/1000ft @20°C, Nominal     |

**E. Other**

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

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