

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

**Part Number: PV1430A**  
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**Issue: 1**  
**Issue Date: 8/2/2010**  
**Effective Date: 9/27/2010**

- | <b>A. Construction</b>  |  | <u><b>Diameters (In)</b></u>                |
|---|--|---|
| 1) Component 1  | 1 X 1 HOOKUP   |   |
| a) Conductor  | 14 (41/30) AWG TC  | 0.074                                       |
| b) Insulation   | 0.063" Wall, Nom. XLPE   | 0.203+/- 0.006                              |
| (1) Separator   | Polyester Tape, 10% Overlap, Min.  |   |
| (2) Color(s)  | BLACK  |   |
| 2) Jacket   | 0.032" Wall, Nom., PVC   | 0.267 (0.280 Max.)                          |
| a) Color(s)   | BLACK  |   |
| b) Print  | ALPHA WIRE-* P/N PV1430A   |   |
|   | 14 AWG A(UL) PV WIRE 90C WET/DRY 2000V SUN RES   |   |
|   | -40C VW-1 ROHS   |   |
|   | * = Factory Code   |   |
| <br><b>B. Applicable Specifications</b>                         |  |   |
| 1) UL   | VW-1   |   |
|   | SUN RES  |   |
|   | -40C   |   |
|   | PV WIRE  | 90°C Dry / 90°C Wet / 2000 V <sub>RMS</sub> |
| <br><b>C. Environmental Compliance</b>                          |  |   |
| 1) 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. |   |
| 2) REACH Regulation (EC 1907/2006):                             | This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.  |   |
| <br><b>D. Physical &amp; Mechanical Properties</b>              |  |   |
| 1) Temperature Range  | -40 to 90°C  |   |
| 2) Bend Radius  | 10X Cable Diameter   |   |
| 3) Pull Tension   | 32 Lbs, Maximum  |   |
| 4) Sunlight Resistance  | Yes  |   |
| <b>E. Electrical Properties</b> (For Engineering purposes only) |  |   |
| 1) Voltage Rating   | 2000 V <sub>RMS</sub>  |   |
| 2) Inductance   | 0.07 µH/ft, Nominal  |   |
| 3) Conductor DCR  | 2.8 O/1000ft @20°C, Nominal  |   |
| 4) Current  | 35 amps per conductor @30°C, Maximum   |   |
| <br><b>F. Other</b>   |  |   |
| 1) Packaging  | Flange x Traverse x Barrel (inches)  |   |
| a) Bulk(Made-to-order)  | <i>[Spool dimensions may vary slightly]</i>  |   |

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