

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

**Part Number: 1275**  
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**Issue: 4**  
**Issue Date: 5/19/2005**  
**Effective Date: 8/1/2005**

**A. Construction**

**Diameters (In)**

- 1) Component 1 5 X 1 COND
- a) Conductor 14 (19/.0147) AWG TC
- b) Insulation 0.047" Wall, Nom. PVC 0.168
- (1) Color Code Alpha Wire Company Color Code F

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED	5	ORANGE
2	WHITE	4	GREEN		

- 2) Cable Assembly 5 Components Cabled
- a) Twists: 1.8 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Jacket 0.063" Wall, Nom.,PVC 0.584 (0.607 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-\* P/N 1275  
 RU AWM 2463 VW-1 80C 600V ROHS  
 \* = Factory Code

**B. Industry Approvals**

- 1) UL AWM/STYLE 2463 80°C / 600 VRMS  
 VW-1
- 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 -20 to 80°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 161 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 600 VRMS
- 2) Capacitance 27 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.21 µH/ft, Nominal
- 4) Conductor DCR 2.8 Ω/1000ft @20°C, Nominal

**E. Other**

- 1) Packaging
  - a) 1000 FT
  - b) 500 FT
  - c) 100 FT

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