A. Construction

1) Component 1 8 X 1 COND
   a) Conductor 24 (7/32) AWG TC 0.61
   b) Insulation 0.25 Wall, Nom. PVC, Semi Rigid 1.12
      (1) Color Code Alpha Wire Color Code E

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<td>BROWN</td>
<td>5</td>
<td>YELLOW</td>
<td>8</td>
<td>VIOLET</td>
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<td>RED</td>
<td>6</td>
<td>GREEN</td>
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</tbody>
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2) Cable Assembly 8 Components Cabled
   a) Twists: 22.5 Twists/meter (min)
   b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
3) Shield: A/P/A Tape, 25% Overlap, Min.
   a) Drain Wire 24 (7/32) AWG TC
   b) Braid TC, 70% Coverage, Min.
4) Jacket 0.81 Wall, Nom., PVC 6.15 (6.48 Max.)
   a) Color(s) GREY
   b) Ripcord 1 End 810 Denier Nylon
   c) Print ALPHA WIRE-* P/N B953084

B. Applicable Specifications

1) UL
   a) Component 1 AWM/STYLE 10002 105°C / 300 VRMS
   b) Overall AWM/STYLE 2464 80°C / 300 VRMS
   CM 105°C VW-1 CE ROHS (SEQ METERS)

2) IEC
   EN 60332-1 Flame Behavior
   EN 60332-2 Flame Behavior

3) CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Environmental Compliance

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.

D. Physical & Mechanical Properties

1) Temperature Range -30 to 105°C
2) Bend Radius 10X Cable Diameter
3) Pull Tension 35 Lbs, Maximum
4) Sunlight Resistance Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 VRMS
2) Capacitance 104.96 pf/m @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance 190.24 pf/m @1 kHz, Nominal
4) Inductance 0.6232 µH/m, Nominal
5) Conductor DCR 85.28 Ω/Km @20°C, Nominal
6) OA Shield DCR 13.776 Ω/Km @20°C, Nominal

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### F. Other

1) Packaging  
   a) 3280 FT  
      Flange x Traverse x Barrel (inches)  
      24 x 14 x 12  Continuous length  
   b) 1640 FT  
      18 x 12 x 8  Continuous length  
   c) 328 FT  
      12 x 4.5 x 3.5  Continuous length  
   d) 164 FT  
      10 x 4 x 3.5  Continuous length  

[SPOOL DIMENSIONS MAY VARY SLIGHTLY]