

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

**Part Number: 1179L**  
**Page 1 of 1 Pages**

**Issue: 1**  
**Issue Date: 1/5/2009**  
**Effective Date: 1/5/2009**

**A. Construction**

**Diameters (In)**

- 1) Component 1 9 X 1 COND
- a) Conductor 22 (7/30) AWG TC
- b) Insulation 0.010" Wall, Nom. Low Smoke Zero Halogen (LSZH) 0.049
- (1) Color Code Alpha Wire Company Color Code D

| Cond | Color | Cond | Color  | Cond | Color  |
|------|-------|------|--------|------|--------|
| 1    | BLACK | 4    | GREEN  | 7    | BROWN  |
| 2    | RED   | 5    | ORANGE | 8    | YELLOW |
| 3    | WHITE | 6    | BLUE   | 9    | VIOLET |

- 2) Cable Assembly 9 Components Cabled
- a) Twists: 4.8 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom., Low Smoke Zero Halogen (LSZH) 0.248 (0.262 Max.)
- a) Color(s) SLATE
- b) Print ALPHA WIRE-\* P/N 1179L 9C 22 AWG  
75C (UL) TYPE CM OR 75C C(UL) TYPE CMG  
\* = Factory Code

**B. Industry Approvals**

- 1) UL CM 75°C
- 2) CSA International FT4
- 3) Other C(UL) TYPE CMG 75°C  
REACH Regulation (EC 1907/2006)
- 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.

**C. Physical & Mechanical Properties**

- 1) Temperature Range -20 to 75°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 49 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating 300 V<sub>RMS</sub>
- 2) Inductance 0.17 µH/ft, Nominal
- 3) Conductor DCR 16.4 Ω/1000ft @20°C, Nominal

**E. Other**

- 1) Packaging
- a) Bulk(Made-to-order)
- 2) Notes:
  - a) Flammability - Passes IEC 60332-1
  - b) Acid Gas Generation - Passes IEC 60754-1 and 60754-2
  - c) Smoke Emission - Passes IEC 61034-2

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