

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

**Part Number: 1176L**  
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**Issue: 1**  
**Issue Date: 1/5/2009**  
**Effective Date: 1/5/2009**

**A. Construction**

**Diameters (In)**

- 1) Component 1                      6 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	3	WHITE	5	ORANGE
2	RED	4	GREEN	6	BLUE

- 2) Cable Assembly                    6 Components Cabled
- a) Twists:                        5.3 Twists/foot (min)
- 3) Jacket                              0.030" Wall, Nom., Low Smoke Zero Halogen (LSZH)      0.209 (0.221 Max.)
- a) Color(s)                        SLATE
- b) Print                             ALPHA WIRE-\* P/N 1176L 6C 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
- C(UL) TYPE CMG                75°C
- 3) Other                                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                        33 Lbs, Maximum

**D. Electrical Properties**

(For Engineering purposes only)

- 1) Voltage Rating                    300 VRMS
- 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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