

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

<b>Part Number: 1896/7C</b>	<b>Issue: 4</b>
<b>Page 1 of 1 Pages</b>	<b>Issue Date: 5/19/2005</b>
	<b>Effective Date: 8/1/2005</b>

- A. Construction** Diameters (In)
- 1) Component 1 7 X 1 COND
  - a) Conductor 20 (7/28) AWG TC
  - b) Insulation 0.016" Wall, Nom. PVC 0.070
  - (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		
3	WHITE	6	BLUE		

- 2) Cable Assembly 7 Components Cabled
- a) Twists: 4.0 Twists/foot (min)
- 3) Jacket 0.020" Wall, Nom.,PVC 0.251 (0.264 Max.)
  - a) Color(s) SLATE
  - b) Print ALPHA WIRE-\* P/N 1896/7C 7C 20 AWG  
 (UL) 75C TYPE CM OR AWM 2509 --- LLXXXXXX  
 CSA TYPE CMG FT4 ROHS  
 \* = Factory Code

*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*

**B. Industry Approvals**

- 1) UL AWM/STYLE 2509 80°C / 300 VRMS  
 CM 75°C  
 VW-1
- 2) CSA International CMG 60°C  
 FT4
- 3) 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.
- 4) 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 61 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
- 2) Capacitance 30 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.19 µH/ft, Nominal
- 4) Conductor DCR 10.2 Ω/1000ft @20°C, Nominal

**E. Other**

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

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