

## Customer Specification

### PART NO. 1896/7C

### Construction

						Diameter ("in")	
1) Component 1						7 x 1 COND	
a) Conductor						20 (7/28) AWG Tinned Copper	0.038
b) Insulation						0.016" Wall, Nom. PVC	0.070
(1) Color Code						Alpha Wire 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.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
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 OR C(UL) 60C TYPE CMG FT4 CE ROHS * = Factory Code <i>Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>	

### Applicable Specifications

1) UL	AWM/STYLE 2509	80°C / 300 V <sub>RMS</sub>
	CM	75°C
	VW-1	
2) CSA International	CMG	60°C
	FT4	
3) CE	EU Low Voltage Directive 2014/35/EU	

## Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3)	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
2) REACH Regulation (EC 1907/2006)	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.
3) California Proposition 65	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more detail.

## Properties

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	61 lbs. (max.)
<b>Electrical Properties</b>	
<i>(For Engineering purposes only)</i>	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Capacitance	27 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

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1000 FT	13.5 x 10 x 4 Continuous Length
b) 500 FT	12 x 5.94 x 5 Continuous Length
c) 100 FT	10.5 x 5 x 3.5 Continuous Length
d) Bulk(Made-to-order)	
	<i>Spool dimensions may vary slightly.</i>

[www.alphawire.com](http://www.alphawire.com)

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