

Customer Specification

PART NO. 1896/12C

Construction

						Diameter ("in")	
1) Component 1						12 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	5	ORANGE	9	VIOLET		
2	RED	6	BLUE	10	SLATE		
3	WHITE	7	BROWN	11	PINK		
4	GREEN	8	YELLOW	12	TAN		
2) Cable Assembly						12 Components Cabled	
a) Twists						2.8 Twists/foot (min.)	
b) Orientation						Components to be arranged from INSIDE LAYER-to-OUTSIDE LAYER	
3) Jacket						0.020" Wall, Nom. PVC	0.331 (0.347 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 1896/12C 12C 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 _{RMS}
	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

Physical & Mechanical Properties	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	105 lbs. max.
Electrical Properties <i>(For Engineering purposes only)</i>	
1) Voltage Rating	300 V _{RMS}
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

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	18 x 14.25 x 8 Continuous Length
b) 500 FT	12 x 10.5 x 5 Continuous Length
c) 100 FT	10.5 x 5 x 3.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure there accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

SpecPDFFooterConfidential

[illegible]

□□□□

Lead

Mercury

Cadmium

Hexavalent Chromium

Polybrominated Biphenyls (PBB)

Polybrominated Diphenyl Ethers (PBDE),

Including Deca-BDE

Bis(2-ethylhexyl) phthalate (DEHP)

Butyl benzyl phthalate (BBP)

Dibutyl phthalate (DBP)

Diisobutyl phthalate (DIBP)

□□□□□

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.01% (100 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

□□□□□□□□0.1% (1000 ppm)

Alpha Wire

Alpha Wire □□□□□□□□

DeBW

