



□□□ **1736C** 

#### **Construction**

						Diameter ("in")	
1) Component 1						2 x 1 COND	
a) Conductor						22 (7/30) AWG Tinned Copper	0.030
b) Insulation						0.016" Wall, Nom. PVC	0.062
(1) Color Code						Alpha Wire Color Code D	
Cond	Color	Cond	Color	Cond	Color		_
1	BLACK	2	RED				
2) Cable Assembly				•		2 Components Cabled	
a) Twists						6.9 Twists/foot (min.)	
b) Orientation					Components to be arranged from INSIDE LAYER-to- OUTSIDE LAYER		
c) Core Wrap						Clear Mylar Tape, 25% Overlap (min.)	
3) Shield						Bare Copper BRAID Shield, 75% Coverage, Nom.	
4) Jacket					0.020" Wall, Nom. PVC	0.189 (0.199 max.)	
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 1736C 2C 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2095 OR C(UL) TYPE CMG FT4 CE ROHS * = Factory Code Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.	

# **Applicable Specifications**

1) UL	AWM/STYLE 2095	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	
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	13.6 lbs. (max.)	
Electrical Properties	(For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>	
2) Capacitance	38 pF/ft @1 kHz, Nominal Conductor-to-Conductor	
3) Ground Capacitance	68 pF/ft @1 kHz, Nominal	
4) Characteristic Impedance	56 ω	
5) Inductance	0.2 μH/ft, Nominal	
6) Conductor DCR	16.3 ω/1000ft @20°C, Nominal	
7) OA Shield DCR	7.6 ω/1000ft @20°C, Nominal	

## Other

Packaging	Flange x Traverse x Barrel (inches)		
a) 1000 FT	12 x 10.5 x 5 Continuous Length		
b) 500 FT	10.5 x 5 x 3.5 Continuous Length		
c) 100 FT	6.5 x 4 x 2.5 Continuous Length		
d) Bulk(Made-to-order)			
	Spool dimensions may vary slightly.		
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#### www.alphawire.com

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Alpha Wire □□□□1736C

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□□□□□□□□0.1% (1000 ppm) Lead Mercury □□□□□□□□0.01% (100 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) Polybrominated Diphenyl Ethers (PBDE), Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) □□□□□□□□0.1% (1000 ppm) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP) □□□□□□□□0.1% (1000 ppm)

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