

## Customer Specification

### PART NO. 1760

### Construction

						Diameters (In)	
1) Component 1						2 X 1 COND	
a) Conductor						12 (65/30) AWG Tinned Copper	0.093
b) Insulation						0.020" Wall, Nom. PVC	0.133
(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:						3.2 Twists/foot (min)	
b) Orientation:						Components to be arranged from INSIDE LAYER to OUTSIDE LAYER	
c) Core Wrap						Clear Mylar Tape, 20% Overlap, Min.	
3) Shield						Bare Copper BRAID Shield, 75% Coverage, Nom.	
4) Jacket						0.020" Wall, Nom., PVC	0.331 (0.346 Max.)
a) Color(s)						Slate, Black	
b) Print						ALPHA WIRE-* P/N 1760 CE ROHS * = Factory Code	

### Applicable Specifications

1) CE:	EU Low Voltage Directive 2014/35/EU
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### Environmental

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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 information.

## Properties

<b>Physical &amp; Mechanical Properties</b>	
1) Temperature Range	-20 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	107 Lbs, Maximum
<b>Electrical Properties</b>	
(For Engineering purposes only)	
1) Voltage Rating	450 V <sub>RMS</sub>
2) Capacitance	67 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	121 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	32 Ω
5) Inductance	0.16 μH/ft, Nominal
6) Conductor DCR	1.76 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	3.9 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	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](http://www.alphawire.com)

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