2200 US Highway 27 South
Richmond, IN 47374
Tel: 1-800-52 ALPHA
Web: www.alphawire.com

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Construction

						Diameters ("in")	
1) Component 1						2 x 1 COND	
a) Conductor						22 (19/34) AWG Tinned Copper	0.032
b) Insulation						0.025" Wall, Nom. Polyethylene (PE)	0.082
(1) Color(s)							
Cond	Color	Cond	Color	Cond	Color		
1	WHITE	2	BLACK				
2) Cable Assembly						2 Components Cabled	
a) Twists						5.3 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						Tinned Copper BRAID Shield,90% Coverage (min.)	
4) Jacket						0.025" Wall, Nom. PVC	0.239 (0.253 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 1710 CE ROHS * = Factory Code	

Applicable Specifications

1) 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 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	17.1 lbs. (max.)
Electrical Properties	*(For Engineering purposes only)*
1) Voltage Rating	1000 V_{RMS}
2) Characteristic Impedance	91 ω
3) Inductance	0.23 µH/ft, Nominal
4) Mutual Capacitance	17 pF/ft @1 kHz, Nominal
5) Ground Capacitance	30 pF/ft @1 kHz, Nominal
6) Conductor DCR	15.2 ω/1000ft @20°C, Nominal
7) OA Shield DCR	4.3 ω/1000ft @20°C, Nominal

Other

Packaging	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
	Spool dimensions may vary slightly.

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RoHS□□□*SJ/T 11364-2014*□

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

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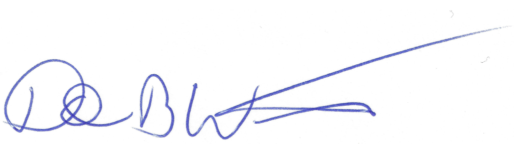

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