

7662

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Construction

						Diameter ("in")	
1) Component 1						2 x 1 COND	
a) Conductor						20 (7/28) AWG Tinned Copper	0.038
b) Insulation						0.010" Wall, Nom. PVC, Irradiated	0.058
(1) Color Code						Alpha Wire Color Code G	
Cond	Color	Cond	Color	Cond	Color		
1	WHITE	2	BLACK				
2) Cable Assembly						2 Components Cabled	
a) Twists						8.0 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	0.191 (0.201 max.)
a) Color(s)						WHITE	
b) Print						ALPHA WIRE-* P/N 7662 CE ROHS * = Factory Code	

Applicable Specifications

1) Military	MIL-W-16878/Type B	105°C / 600 V _{RMS}
2) 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	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	21.4 lbs. (max.)
Electrical Properties	
<i>For Engineering purposes only</i>	
1) Voltage Rating	600 V _{RMS}
2) Capacitance	54 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Ground Capacitance	97 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	39 ω
5) Inductance	0.17 μ H/ft, Nominal
6) Conductor DCR	10.2 ω /1000ft @20°C, Nominal
7) OA Shield DCR	5.5 ω /1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10.5 x 5 max. 4 separate pieces (min. length/piece 200 FT)
	<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

Alpha Wire "Alpha" 12 x 10.5 x 5 max. 4 separate pieces (min. length/piece 200 FT)
Spool dimensions may vary slightly.

Alpha

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Alpha 2011/65/EU RoHS2 2015/863/EU
RoHS SJ/T 11364-2014

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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)

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