

Customer Specification

PART NO. 3242

Construction

						Diameter ("in")	
1) Component 1						3 x 1 COND	
a) Conductor						18 (19/30) AWG Tinned Copper	0.050
b) Insulation						0.010" Wall, Nom. PVC/ 0.003" Wall NYLON	0.076
(1) Color Code						Alpha Wire Color Code G	
Cond	Color	Cond	Color	Cond	Color		
1	WHITE	2	BLACK	3	RED		
2) Cable Assembly						3 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						0.022" Wall, Nom. PVC	0.233 (0.248 max.)
a) Color(s)						SLATE	
b) Print						ALPHA WIRE-* P/N 3242 CE ROHS * = Factory Code	

Applicable Specifications

1) Military		
a) Component 1	MIL-W-16878/Type B/N	105°C / 600 V _{RMS}
2) CE	EU Low Voltage Directive 2014/35/EU	

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

Physical & Mechanical Properties	
1) Temperature Range	-55 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	50 lbs. (max.)
Electrical Properties	
	<i>For Engineering purposes only</i>
1) Voltage Rating	600 V _{RMS}
2) Capacitance	56 pF/ft @1 kHz, Nominal Conductor-to-Conductor
3) Ground Capacitance	101 pF/ft @1 kHz, Nominal
4) Inductance	0.17 μH/ft, Nominal
5) Conductor DCR	5.9 ω/1000ft @20°C, Nominal
6) OA Shield DCR	4 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	6.5 x 4 x 2.5 Continuous Length
	<i>Spool dimensions may vary slightly.</i>

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