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# Customer Specification

## PART NO. 511

### Construction

#### A. Cordage Construction

- 1) Conductor
  - a) Material Bare Copper Per ASTM B 3
  - b) AWG, Stranding 18, 41/34; Finer stranding may be used.
- 2) Insulation
  - a) Material Polyvinylchloride
  - b) Min. Avg. Wall Thickness 0.030
  - c) Nominal Diameter 0.107
- 3) Core Assembly
  - a) Number of Conductors 3
  - b) Color Code Blue, Brown & Green/Yellow within Munsell® Component extended limits of deviation.  
[Note: The stripe of the Green/Yellow insulation shall be 50% +/- 20%.]
  - c) Fillers Optional
- 4) Jacket
  - a) Material Polyvinylchloride
  - b) Surface Finish Smooth, non-striated
  - c) Min. Avg. Wall Thickness 0.030
  - d) Minimum Diameter 0.285
  - e) Nominal Diameter 0.300
  - f) Maximum Diameter 0.315
  - g) Color Black; within Munsell&reg; Component limits of deviation
  - h) UL, CSA Type SJT\*\*, Minimum
  - i) Jacket Marking Per UL Standard 62 and CSA C22.2 No. 49.

#### B. Cord Configuration

- 1) End 1 Molded Vinyl Grounding Connector, IEC 320-C13
- 2) End 2 Jacket Stripped 1.5" +/- .125"  
Insulation Stripped 0.625" +/- 0.0625"
- 3) Mold Color Black
- 4) Overall Length 79" +/- 1"

### Applicable Specifications

#### C. Industry Approvals and Ratings

- 1) UL UL Standard 817
- 2) CSA CSA C22.2 No. 21
- 3) Voltage Rating 125 Vrms
- 4) Current Rating 10 Amps
- 5) Temperature Rating 60°C, Minimum

### Environmental

## Other

### **D.Packaging Requirements**

1)Standard Package 25Pieces, placed in Carton

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 511

511 , RoHS-Compliant Commencing With 4/1/2006 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3) The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014.

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

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Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering & QA

2/9/2017

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