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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

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

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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

4/17/2020

Alpha Wire

711 Lidgerwood Ave.

Elizabeth, NJ 07207

Tel: 1-908-925-8000

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