

Customer Specification

PART NO. 391297

Construction

| | | Diameters (In) |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 12 (65/30) AWG Tinned Copper | 0.093 |
| b) Insulation | 0.097" Wall, Nom. Silicone Rubber | 0.287+/- 0.006 |
| (1) Print | ALPHA WIRE-* 12 AWG RU AWM STYLE 3239 150C 40KVDC VW-1 E163869 * = Factory Code | |
| (2) Color(s) | WHITE, BLACK, RED | |
| | | |

Applicable Specifications

| | | |
|-------|----------------|-----------------------------|
| 1) UL | AWM/STYLE 3239 | 150°C / 40K V _{DC} |
| | | |

Environmental

| | |
|--|--|
| 1) EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3): | |
| | All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU and the amending Directive 2015/863/EU of 4 June 2015 regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. |
| 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. |
| | |

Properties

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Physical & Mechanical Properties

| | |
|------------------------------|---------------------------------|
| 1) Temperature Range | -40 to 150°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 51 Lbs, Maximum |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 40000 V _{DC} |
| 2) Inductance | 0.08 µH/ft, Nominal |
| 3) Conductor DCR | 1.75 Ω/1000ft @20°C, Nominal |

Other

| | |
|---|--|
| Packaging | Flange x Traverse x Barrel (inches) |
| a) 1000 FT | 13.5 x 10 x 4 Max. 2 separate pieces; Min length/piece 250 FT. |
| b) 500 FT | 12 x 10.5 x 5 Continuous length |
| c) 100 FT | 10.5 x 5 x 3.5 Continuous length |
| d) Bulk(Made-to-order) | |
| | <i>[Spool dimensions may vary slightly]</i> |
| Notes: | |
| a) Certain colors and put-up combinations may only be available by special order, minimums may apply. | |

www.alphawire.com

Alpha Wire | 1320 City Center Drive, Suite 100, Carmel, IN 46032

Tel: 1-800-52 ALPHA (25742)

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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 391297

391297, RoHS-Compliant Commencing With 7/1/2005 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2002/95/EC (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). This product complies with these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item.** This product complies with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product

| 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 4/13/2024

Alpha Wire

2200 US Highway 27 South

Richmond, IN 47374

Tel: 1-908-925-8000