



1-800-52-ALPHA

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Part #	Voltage	AWG	Stranding	Insulation Thickness	Insulation Diameter	Insulation Material	Ratings
391297	40000	12	65/30	0.097	0.287	Silicone	UL AWM 3239

PART NO. 391297


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Construction

	Diameters (In)
1) Component 1	1 X 1 HOOKUP
a) Conductor	12 (65/30) AWG TC
b) Insulation	0.097" Wall, Nom. Silicone Rubber
(1) Print	0.287+/- 0.006
(2) Color(s)	12 AWG RU AWM STYLE 3239 150C 40KVDC VW-1 EXXXXX WHITE, BLACK, RED

Industry Approvals

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

- 1) EU Directive 2002/95/EC(RoHS):

All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.

A perfect FIT for this product...

FIT Heat-Shrink Tubing

Whether your concerns are mechanical strain relief, environmental sealing, or organizing wires, Alpha Wire's FIT heat-shrink tubing is ideal for solving many challenges in electrical and electronic wiring.


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Managing this product is simple...

FIT Wire Management

Bringing order to wire harnesses and cable routing means a system that is more reliable, easier to fabricate, and simpler to maintain. Let Alpha Wire help you solve wire management problems.


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Properties

Physical & Mechanical Properties

- 1) Temperature Range
2) Bend Radius
3) Pull Tension

-40 to 150°C
10X Cable Diameter
51 Lbs, Maximum

Electrical Properties

- 1) Voltage Rating
2) Inductance
3) Conductor DCR

(For Engineering purposes only)
40000 V_{DC}
0.08 μH/ft, Nominal
1.75 Ω/1000ft @20°C,
Nominal

Other

1) Packaging

- a) 1000 FT
b) 500 FT
c) 100 FT
d) Bulk(Made-to-order)

The broad range of hook-up wire from Alpha means you will find the product exactly suited to your application— whether it's as straightforward as a control cabinet in a protected environment or as specialized as a machine tool on the factory floor, a hightemperature oven, or off-road construction equipment.

Our hook-up wire is available in a variety of insulations to meet your needs for temperature, ability to withstand wear and abrasion, electrical performance, or resistance to oil, solvents, and chemicals.

CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 391297

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

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

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)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product .

Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA

8/4/2009

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