

# Customer Specification

## PART NO. 172001

### Construction

|                |                                                                        | Diameters (In) |
|----------------|------------------------------------------------------------------------|----------------|
| 1) Component 1 | 1 X 1 HOOKUP                                                           |                |
| a) Conductor   | 20 (SOLID) AWG TC                                                      | 0.032          |
| b) Insulation  | 0.010" Wall, Nom. PVC                                                  | 0.052+/- 0.002 |
| (1) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET |                |

### Applicable Specifications

|             |                |                              |
|-------------|----------------|------------------------------|
| 1) Military | MIL-W-16878E/1 | 105°C / 600 V <sub>RMS</sub> |
|-------------|----------------|------------------------------|

### 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. |
| 2) California Proposition 65:     | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.                                                                                                                                                         |

### Properties

|                                                       |                             |
|-------------------------------------------------------|-----------------------------|
| Physical & Mechanical Properties                      |                             |
| 1) Temperature Range                                  | -55 to 105°C                |
| 2) Bend Radius                                        | 10X Cable Diameter          |
| 3) Pull Tension                                       | 8 Lbs, Maximum              |
| Electrical Properties (For Engineering purposes only) |                             |
| 1) Voltage Rating                                     | 600 V <sub>RMS</sub>        |
| 2) Inductance                                         | 0.04 µH/ft, Nominal         |
| 3) Conductor DCR                                      | 10.5 /1000ft @20°C, Nominal |

### Other

| Packaging                                                  | Flange x Traverse x Barrel (inches)                              |
|------------------------------------------------------------|------------------------------------------------------------------|
| a) 55DR75000                                               | 24 x 14 x 12 Max. 8 separate pieces; Min length/piece 1000 FT.   |
| b) 37DR50000                                               | 18 x 12 x 8 Max. 10 separate pieces; Min length/piece 1000 FT.   |
| c) 55DR50000                                               | 18 x 12 x 8 Max. 10 separate pieces; Min length/piece 1000 FT.   |
| d) 37DR25000                                               | 12 x 12 x 3.5 Max. 10 separate pieces; Min length/piece 1000 FT. |
| e) 37DR20000                                               | 12 x 10 x 5 Max. 10 separate pieces; Min length/piece 1000 FT.   |
| f) 37DR15000                                               | 12 x 10 x 5 Max. 8 separate pieces; Min length/piece 1000 FT.    |
| g) 37DR10000                                               | 12 x 4.5 x 3.5 Max. 8 separate pieces; Min length/piece 1000 FT. |
| h) 5000 FT                                                 | 10 x 4 x 3.5 Continuous length                                   |
| i) 2500 FT                                                 | 6.5 x 4 x 2.5 Continuous length                                  |
| j) 1000 FT                                                 | 6.5 x 2 x 1.9 Continuous length                                  |
| k) Bulk(Made-to-order)                                     |                                                                  |
|                                                            | [Spool dimensions may vary slightly]                             |
| <b>Notes:</b>                                              |                                                                  |
| a) Not all colors available in all put-ups                 |                                                                  |
| b) Splice Method is Square Knots on multiple piece put-ups |                                                                  |

www.alphawire.com

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:172001

172001 , 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.***

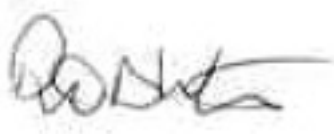
Substance

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) | 0.1% by weight (1000 ppm) |
| 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

10/31/2012

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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