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Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Request a Sample

# Customer Specification

# PART NO. 3071

## Construction

| | | Diameters (In) |
|---|---|---|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 22 (7/30) AWG TC | 0.030 |
| b) Insulation | 0.032" Wall, Nom. PVC | 0.094+/- 0.004 |
| (1) Print | ALPHA WIRE E163872-* (UL) MTW 600V OR AWM STYLE<br>1015/1230 105C 600V VW-1 22 AWG ---- LLXXXX CSA<br>AWM I A/B 105C 600V FT1 OR TEW 105C 600V FT1<br>CE ROHS<br>{0} * = Factory Code<br>*[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]* | |
| (2) Color(s) | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN<br>ORANGE, SLATE, VIOLET, GREEN/YELLOW, YELLOW/GREEN | |

## Applicable Specifications

| | | |
|---|---|---|
| 1) UL | AWM/STYLE 1015 | 105°C / 600 $V_{RMS}$ |
| | MTW | 90°C Dry / 60°C Wet / 600 $V_{RMS}$ |
| | AWM/STYLE 1230 | 105°C / 600 $V_{RMS}$ |
| | VW-1 | |
| 2) CSA International | TEW-105 | 105°C / 600 $V_{RMS}$ |
| | AWM I A/B | 105°C / 600 $V_{RMS}$ |
| | FT1 | |
| 3) CE: | EU Low Voltage Directive 2006/95/EC | |

## Environmental

| | |
|---|---|
| 1) EU Directive 2011/65/EU(RoHS2): | |
| | All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C. |
| 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. For up-to-date information, please see Alpha's REACH SVHC Declaration. |
| 3) California Proposition 65: | The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65. |

## Properties

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| Physical & Mechanical Properties | |
|---|---|
| 1) Temperature Range | -40 to 105°C |
| 2) Bend Radius | 5X Cable Diameter |
| 3) Pull Tension | 5.5 Lbs, Maximum |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 600 $V_{RMS}$ |
| 2) Inductance | 0.08 µH/ft, Nominal |
| 3) Conductor DCR | 16.2 Ω/1000ft @20°C, Nominal |

## Other

| **Packaging** | Flange x Traverse x Barrel (inches) |
|---|---|
| a) 1000 FT | 6.5 x 6 x 1.9 Continuous length |
| b) 1000 FT UK | 6.5 x 6 x 1.875 Continuous length |
| c) 500 FT | 6.5 x 4 x 2.5 Continuous length |
| d) 100 FT UK | 3.5 x 3 x 1.125 Continuous length |
| e) 100 FT | 3.5 x 3 x 1.125 Continuous length |
| | *[Spool dimensions may vary slightly]* |
| **Notes:** | |
| a) Certain colors and put-ups are available as a special order only, minimums may apply. | |

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# EU/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: 3071

3071 , RoHS-Compliant Commencing With 1/1/2005 Production

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, 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 this Directive for the specific definitions and extents of this Directive. **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 11364-2006.

| **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 — 12/15/2014

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