# Customer Specification

# PART NO. 782010T

## Construction

| | | Diameters (In) |
|---|---|---|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 20 (10/30) AWG "Topcoat" TC | 0.037 |
| b) Insulation | 0.032" Wall, Nom. PVC | 0.101+/- 0.004 |
| (1) Print | ALPHA WIRE E163869-* RU AWM 1015/1230 105C 600V<br>VW-1 20 AWG --- LLXXXXX CSA AWM I A/B 105C 600V<br>FT1 OR TEW 105C 600V FT1 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 | |

## Applicable Specifications

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

## 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) 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

| Physical & Mechanical Properties | |
|---|---|
| 1) Temperature Range | -40 to 105°C |
| 2) Bend Radius | 5X Cable Diameter |
| 3) Pull Tension | 7.9 Lbs, Maximum |
| Electrical Properties | (For Engineering purposes only) |
| 1) Voltage Rating | 600 $V_{RMS}$ |
| 2) Inductance | 0.08 µH/ft, Nominal |
| 3) Conductor DCR | 11.4 /1000ft @20°C, Nominal |

## Other

| **Packaging** | Flange x Traverse x Barrel (inches) |
|---|---|
| a) 2000 FT | 12 x 4.5 x 3.5 Continuous length |
| b) 1000 FT | 6.5 x 6 x 1.9 Continuous length |
| c) 500 FT | 6.5 x 4 x 2.5 Continuous length |
| d) 100 FT | 3.5 x 3 x 1.125 Continuous length |
| e) Bulk(Made-to-order) | |
| | *[Spool dimensions may vary slightly]* |
| **Notes:** | |
| a) Certain colors and put-ups are available as a special order only, minimums may apply. | |

www.alphawire.com

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

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:782010T

782010T , RoHS-Compliant Commencing With7/1/2005Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordancewith 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 hazardoussubstances used in the manufacture of electrical and electronic equipment. The reader is referredto these Directives for the specific definitions and extents of these Directives.* ***No Exemptions arerequired 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)<br>Polybrominated Diphenyl Ethers (PBDE) | 0.1% by weight (1000 ppm) |
| Including Deca-BDE | 0.1% by weight (1000 ppm) |

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Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA 11/1/2012