

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 7035**  
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**Issue: 7**  
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**A. Construction**

**Diameters (In)**

- |                |                                                                                            |                |
|----------------|--------------------------------------------------------------------------------------------|----------------|
| 1) Component 1 | 1 X 1 HOOKUP                                                                               |                |
| a) Conductor   | 14 (19/.0147) AWG Tinned Copper                                                            | 0.071          |
| b) Insulation  | 0.016" Wall, Nom. PVC, Irradiated                                                          | 0.103+/- 0.002 |
| (1) Print      | ALPHA WIRE-*                                                                               |                |
|                | E163869 RU AWM 3317 105C 300V VW-1                                                         |                |
|                | LLXXXXXX CSA REW XLPVC 105C 300V FT1                                                       | ROHS           |
|                | * = Factory Code                                                                           |                |
|                | <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i> |                |
| (2) Color(s)   | WHITE, BLACK, RED, GREEN, YELLOW, BLUE, BROWN                                              |                |
|                | ORANGE, SLATE, VIOLET, YELLOW/GREEN                                                        |                |

**B. Applicable Specifications**

- |                      |                |                              |
|----------------------|----------------|------------------------------|
| 1) UL                | AWM/STYLE 3317 | 105°C / 300 V <sub>RMS</sub> |
| 2) CSA International | REW-XLPVC      | 105°C / 300 V <sub>RMS</sub> |
|                      | FT1            |                              |

**C. Environmental Compliance**

- 1) RoHS Directive (2011/65/EU), EU Directive 2015/863/EU (RoHS3):  
All materials used in the manufacture of this part meet the requirements of 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. No Exemptions are required for RoHS Compliance on this item.
- 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.
- 3) California Proposition 65:  
This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

**D. Physical & Mechanical Properties**

- 1) Temperature Range -55 to 105°C
  - 2) Bend Radius 10X Cable Diameter
  - 3) Pull Tension 32 Lbs, Maximum
- E. Electrical Properties** (For Engineering purposes only)
- 1) Voltage Rating 300 V<sub>RMS</sub>
  - 2) Inductance 0.04 µH/ft, Nominal
  - 3) Conductor DCR 2.7 Ω/1000ft @20°C, Nominal

**F. Other**

- 1) Packaging Flange x Traverse x Barrel (inches)
  - a) 1000 FT 6.5 x 6 x 1.9 Continuous length
  - b) 100 FT 3.5 x 3 x 1.125 Continuous length*[Spool dimensions may vary slightly]*
- 2) Notes:
  - a) Certain colors and put-up combinations may only be available by special order, minimums may apply.

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