

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 3050
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Issue: 11
Issue Date: 10/23/2014
Effective Date: 10/23/2014

A. Construction

Diameters (In)

- | | | |
|----------------|---|----------------|
| 1) Component 1 | 1 X 1 HOOKUP | |
| a) Conductor | 24 (7/32) AWG Tinned Copper | 0.024 |
| b) Insulation | 0.016" Wall, Nom. PVC | 0.056+/- 0.002 |
| (1) Print | ALPHA WIRE E163869-* RU AWM STYLES 1569 105C
OR 1007 80C VW-1 300V 24 AWG ---- LXXXX CSA
TR-64 90C 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, WHITE/BLACK, WHITE/RED
WHITE/GREEN, WHITE/YELLOW, WHITE/BLUE
WHITE/BROWN, WHITE/ORANGE, WHITE/SLATE
WHITE/VIOLET, GREEN/YELLOW, PINK | |

B. Applicable Specifications

- | | | |
|----------------------|----------------|------------------------------|
| 1) UL | AWM/STYLE 1007 | 80°C / 300 V _{RMS} |
| | AWM/STYLE 1569 | 105°C / 300 V _{RMS} |
| | VW-1 | |
| 2) CSA International | TR-64 | 90°C |
| | FT1 | |

C. Environmental Compliance

- 1) RoHS Directive (2011/65/EU):
All materials used in the manufacture of this part meet the requirements of European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. No Exemptions are required for RoHS Compliance on this item. 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.

D. Physical & Mechanical Properties

- | | |
|----------------------|--------------------|
| 1) Temperature Range | -40 to 105°C |
| 2) Bend Radius | 10X Cable Diameter |
| 3) Pull Tension | 3.5 Lbs, Maximum |

E. Electrical Properties

- (For Engineering purposes only)
- | | |
|-------------------|----------------------------|
| 1) Voltage Rating | 300 V _{RMS} |
| 2) Inductance | 0.07 µH/ft, Nominal |
| 3) Conductor DCR | 25 Ω/1000ft @20°C, Nominal |

F. Other

- | | |
|--------------|--|
| 1) Packaging | Flange x Traverse x Barrel (inches) |
| a) 32800 FT | 23 x 15 x 0 Max. 4 separate pieces; Min length/piece 10000 FT. |
| b) 5000 FT | 12 x 4.5 x 3.5 Continuous length |
| c) 1000 FT | 6.5 x 2 x 1.9 Continuous length |
| d) 100 FT | 2.75 x 2 x 1.125 Continuous length
<i>[Spool dimensions may vary slightly]</i> |
| 2) Notes: | |
| a) | Certain colors and put-up combinations may only be available by special order, minimums may apply. |
| b) | Tolerance on 32800 ft. Put-Up is +/- 10% |

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