

ALPHA WIRE

CUSTOMER PRODUCT SPECIFICATION

Part Number: 25054
Page 1 of 1 Pages

Issue: 13
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A. Construction

- | | | <u>Diameters (In)</u> |
|----|----------------|-------------------------|
| 1) | Component 1 | 4 X 1 COND |
| | a) Conductor | 20 (7/28) AWG TC |
| | b) Insulation | 0.016" Wall, Nom. PVC |
| | (1) Color Code | Alpha Wire Color Code D |
| | | 0.038 |
| | | 0.070 |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	WHITE		
2	RED	4	GREEN		

- 2) Cable Assembly 4 Components Cabled
- a) Twists: 6.0 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom., Polyurethane (TPU) 0.238 (0.249 Max.)
- a) Color(s) Slate, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White
- b) Ripcord 1 End 810 Denier Nylon
- c) Print ALPHA WIRE-* P/N 25054
 XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA
 AWM I/II A/B 90C 300 VOLTS FT1 CE
 ROHS (SEQ FOOTAGE)
 * = Factory Code
[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

- 1) UL
- a) Component 1 AWM/STYLE 1569 105°C / 300 V_{RMS}
- b) Overall AWM/STYLE 20668 90°C / 300 V_{RMS}
 VW-1
- 2) CSA International AWM I/II A/B 90°C / 300 V_{RMS}
 FT1
- 3) CE: EU Low Voltage Directive 2006/95/EC

C. Environmental Compliance

- 1) CE: EU Directive 2011/65/EU(RoHS2):
 This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. 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 -30 to 90°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 35 Lbs, Maximum
- 4) Sunlight Resistance Yes

E. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Capacitance 30 pf/ft @ 1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.19 µH/ft, Nominal
- 4) Conductor DCR 10.2 Ω/1000ft @ 20°C, Nominal

F. Other

- 1) Packaging Flange x Traverse x Barrel (inches)
- a) Bulk(Made-to-order)

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