ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 25122	**Issue: 13**
Page 1 of 2 Pages	**Issue Date: 12/20/2012**
	Effective Date: 1/4/2013

A. Construction — **Diameters (In)**

1) Component 1 — 2 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC — 0.030
   b) Insulation — 0.010" Wall, Nom. PVC, Semi Rigid — 0.050
      (1) Color Code — Alpha Wire Color Code B

Pair	Color	Pair	Color	Pair	Color
1	WHITE-BLACK	2	WHITE-BROWN		

   c) Pair — 2/Cond Cabled Together
      (1) Twists: — 8.0 Twists/foot (min)
2) Cable Assembly — 2 Components Cabled
   a) Twists: — 6.0 Twists/foot (min)
   b) Core Wrap — Nonwoven Polyester Tape, 25% Overlap, Min.
3) Shield: — A/P/A Tape, 25% Overlap, Min.
   a) Drain Wire — 22 (7/30) AWG TC
   b) Braid — TC,70% Coverage, Min.
4) Jacket — 0.032" Wall, Nom.,Polyurethane (TPU) — 0.260 (0.273 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 25122
   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 10002 — 105°C / 300 V_{RMS}
   b) Overall — AWM/STYLE 20668 VW-1 — 90°C / 300 V_{RMS}
2) CSA International — AWM I/II A/B FT1 — 90°C / 300 V_{RMS}
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 — 31 Lbs, Maximum
4) Sunlight Resistance — Yes

E. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 31 pf/ft @1 kHz, Nominal

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3)	Ground Capacitance	56 pf/ft @1 kHz, Nominal
4)	Characteristic Impedance	57 Ω
5)	Inductance	0.18 µH/ft, Nominal
6)	Conductor DCR	16.6 Ω/1000ft @20°C, Nominal
7)	OA Shield DCR	3.3 Ω/1000ft @20°C, Nominal

F. Other

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

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