ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: B964021	**Issue:**	**1**
Page 1 of 2 Pages	**Issue Date:**	**9/10/2010**
	Effective Date:	**11/5/2010**

A. Construction — **Diameters (mm)**

1) Component 1 — 2 X 1 PAIR
   a) Conductor — 22 (7/30) AWG TC — 0.76
   b) Insulation — 0.25 Wall, Nom. PVC, Semi Rigid — 1.27
      (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: — 26.2 Twists/meter (min)
2) Cable Assembly — 2 Components Cabled
   a) Twists: — 19.7 Twists/meter (min)
   b) Core Wrap — Clear Mylar Tape, 25% Overlap, Min.
3) Jacket — 0.81 Wall, Nom.,PVC — 5.87 (6.19 Max.)
   a) Color(s) — GREY
   b) Ripcord — 1 End 810 Denier Nylon
   c) Print — ALPHA WIRE-* P/N B964021
   0.35MM2 (22AWG) (UL) TYPE CM 105C OR AWM 2464
   VW-1 CE ROHS (SEQ METERS)
   * = Factory Code

B. Applicable Specifications

1) UL
   a) Component 1 — AWM/STYLE 10002 — 105°C / 300 V_{RMS}
   b) Overall — AWM/STYLE 2464 — 80°C / 300 V_{RMS}
   CM — 105°C
   VW-1
2) IEC — EN 60332-1 Flame Behavior
   EN 60332-2 Flame Behavior
3) CE: — LVD 73/23/EEC Amendment 93/68/EEC

C. Environmental Compliance

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 any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

D. Physical & Mechanical Properties

1) Temperature Range — -30 to 105°C
2) Bend Radius — 10X Cable Diameter
3) Pull Tension — 22 Lbs, Maximum
4) Sunlight Resistance — Yes

E. Electrical Properties — (For Engineering purposes only)

1) Voltage Rating — 300 V_{RMS}
2) Mutual Capacitance — 77.08 pf/m @1 kHz, Nominal
3) Inductance — 0.5904 µH/m, Nominal
4) Conductor DCR — 54.448 Ω/Km @20°C, Nominal

F. Other

1) Packaging — Flange x Traverse x Barrel (inches)
   a) 3280 FT — 24 x 14 x 12 Continuous length
   b) 1640 FT — 16 x 11 x 8 Continuous length

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c) 328 FT 12 x 4.5 x 3.5 Continuous length
d) 164 FT 10 x 4 x 3.5 Continuous length
[Spool dimensions may vary slightly]

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