

**ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 517866
Page 1 of 2 Pages

Issue: 1
Issue Date: 5/7/2008
Effective Date: 5/7/2008

A. Construction

Diameters

- 1) Component 1 32 X 1 COND
 - a) Conductor 16 (19/.0117) AWG TC
 - b) Insulation 0.016" Wall, Nom. PVC 0.091
 - (1) Print ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED
- (2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK#1	12	WHITE#6	23	BLACK#12
2	WHITE#1	13	BLACK#7	24	WHITE#12
3	BLACK#2	14	WHITE#7	25	BLACK#13
4	WHITE#2	15	BLACK#8	26	WHITE#13
5	BLACK#3	16	WHITE#8	27	BLACK#14
6	WHITE#3	17	BLACK#9	28	WHITE#14
7	BLACK#4	18	WHITE#9	29	BLACK#15
8	WHITE#4	19	BLACK#10	30	WHITE#15
9	BLACK#5	20	WHITE#10	31	BLACK#16
10	WHITE#5	21	BLACK#11	32	WHITE#16
11	BLACK#6	22	WHITE#11		

- 2) Cable Assembly 32 Components Cabled
 - a) Twists: 1.3 Twists/foot (min)
 - b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Jacket 0.065" Wall, Nom.,PVC 0.731 (0.757 Max.)
 - a) Color(s) BLACK
 - b) Print ALPHA WIRE-* P/N 517866 32C 16 AWG 105C (UL) TYPE PLTC --- LLXXXXXX CSA TYPE CMG FT4 ROHS

* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Industry Approvals

- 1) UL PLTC 105°C
 SUN RES
- 2) CSA International CMG 60°C
 FT4
- 3) 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.
- 4) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 105°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 654 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 V_{RMS}
- 2) Capacitance 36 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.17 µH/ft, Nominal
- 4) Conductor DCR 4.4 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT

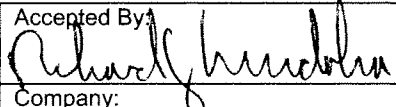
This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.

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Accepted By: 	Date: 5/8/08
Company: NAI	Title: Sales Engineer

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