

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5066C
Page 1 of 1 Pages

Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

1) Component 1	6 X 1 COND a) Conductor b) Insulation (1) Color Code	Diameters (In)																		
	18 (16/30) AWG TC 0.016" Wall, Nom. PVC Alpha Wire Company Color Code D	0.079																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Cond</th> <th>Color</th> <th>Cond</th> <th>Color</th> <th>Cond</th> <th>Color</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BLACK</td> <td>3</td> <td>WHITE</td> <td>5</td> <td>ORANGE</td> </tr> <tr> <td>2</td> <td>RED</td> <td>4</td> <td>GREEN</td> <td>6</td> <td>BLUE</td> </tr> </tbody> </table>		Cond	Color	Cond	Color	Cond	Color	1	BLACK	3	WHITE	5	ORANGE	2	RED	4	GREEN	6	BLUE	
Cond	Color	Cond	Color	Cond	Color															
1	BLACK	3	WHITE	5	ORANGE															
2	RED	4	GREEN	6	BLUE															
2) Cable Assembly	6 Components Cabled																			
a) Twists:	4.4 Twists/foot (min)																			
b) Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.																			
3) Jacket	0.032" Wall, Nom.,PVC	0.307 (0.320 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 5066C 6C 18 AWG XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - 105C (UL) TYPE CM OR AWM 2464 VW-1 --- LLXXXXXX CSA 105C TYPE CMG FT4 CE ROHS <SEQ FOOTAGE> * = Factory Code																			

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

B. Industry Approvals

1) UL	AWM/STYLE 1569 AWM/STYLE 2464 CM VW-1	105°C / 300 VRMS 80°C / 300 VRMS 105°C
2) CSA International	CMG FT4	105°C
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. Consult Alpha Wire's web site for compliance Date of Manufacture.

4) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
5) CE:	LVD 73/23/EEC Amendment 93/68/EEC

C. Physical & Mechanical Properties

1) Temperature Range	-20 to 105°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	75 Lbs, Maximum
4) Sunlight Resistance	Yes

D. Electrical Properties

1) Voltage Rating	(For Engineering purposes only) 300 VRMS
2) Capacitance	33 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Inductance	0.18 µH/ft, Nominal
4) Conductor DCR	7.2 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging	
a) 1000 FT	
b) 500 FT	

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- c) 100 FT
- d) Bulk(Made-to-order)

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