

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5110/15C
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Issue: 10
Issue Date: 1/29/2008
Effective Date: 3/1/2008

A. Construction

1) Component 1	15 X 1 COND	Diameters (In)																																				
a) Conductor	22 (7/30) AWG TC																																					
b) Insulation	0.010" Wall, Nom. PVC, Semi Rigid	0.050																																				
(1) Color Code	Alpha Wire Company Color Code E																																					
<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>6</td><td>GREEN</td><td>11</td><td>WHITE/BLACK</td></tr> <tr><td>2</td><td>BROWN</td><td>7</td><td>BLUE</td><td>12</td><td>WHITE/BROWN</td></tr> <tr><td>3</td><td>RED</td><td>8</td><td>VIOLET</td><td>13</td><td>WHITE/RED</td></tr> <tr><td>4</td><td>ORANGE</td><td>9</td><td>SLATE</td><td>14</td><td>WHITE/ORANGE</td></tr> <tr><td>5</td><td>YELLOW</td><td>10</td><td>WHITE</td><td>15</td><td>WHITE/YELLOW</td></tr> </tbody> </table>			Cond	Color	Cond	Color	Cond	Color	1	BLACK	6	GREEN	11	WHITE/BLACK	2	BROWN	7	BLUE	12	WHITE/BROWN	3	RED	8	VIOLET	13	WHITE/RED	4	ORANGE	9	SLATE	14	WHITE/ORANGE	5	YELLOW	10	WHITE	15	WHITE/YELLOW
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2) Cable Assembly	15 Components Cabled	
a) Twists:	4.4 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., PVC	0.327 (0.344 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 5110/15C 15C 22 AWG XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS - SHIELDED 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	105°C / 300 VRMS	
a) Component 1	AWM/STYLE 10002	
b) Overall	AWM/STYLE 2464	80°C / 300 VRMS
	CM	105°C
	VW-1	
2) CSA International	CMG	105°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. 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	93 Lbs, Maximum
4) Sunlight Resistance	Yes

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating	300 VRMS
2) Capacitance	36 pf/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	65 pf/ft @1 kHz, Nominal

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4) Inductance	0.18 μ H/ft, Nominal
5) Conductor DCR	16.5 Ω /1000ft @20°C, Nominal
6) OA Shield DCR	2.8 Ω /1000ft @20°C, Nominal

E. Other

- 1) Packaging
 - a) 1000 FT
 - b) 500 FT
 - c) 100 FT
 - d) Bulk(Made-to-order)

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