

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 5586C**  
**Page 1 of 1 Pages**

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

**A. Construction**

**Diameters (In)**

- 1) Component 1 37 X 1 COND
- 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

Cond	Color	Cond	Color	Cond	Color
1	BLACK	14	WHITE/ORANGE	27	WHITE/BLACK/SLATE
2	BROWN	15	WHITE/YELLOW	28	WHITE/BROWN/RED
3	RED	16	WHITE/GREEN	29	WHITE/BROWN/ORANGE
4	ORANGE	17	WHITE/BLUE	30	WHITE/BROWN/YELLOW
5	YELLOW	18	WHITE/VIOLET	31	WHITE/BROWN/GREEN
6	GREEN	19	WHITE/SLATE	32	WHITE/BROWN/BLUE
7	BLUE	20	WHITE/BLACK/BROWN	33	WHITE/BROWN/VIOLET
8	VIOLET	21	WHITE/BLACK/RED	34	WHITE/BROWN/SLATE
9	SLATE	22	WHITE/BLACK/ORANGE	35	WHITE/RED/ORANGE
10	WHITE	23	WHITE/BLACK/YELLOW	36	WHITE/RED/YELLOW
11	WHITE/BLACK	24	WHITE/BLACK/GREEN	37	WHITE/RED/GREEN
12	WHITE/BROWN	25	WHITE/BLACK/BLUE		
13	WHITE/RED	26	WHITE/BLACK/VIOLET		

- 2) Cable Assembly 37 Components Cabled
- a) Twists: 3.0 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
- a) Foil Direction Foil Facing In
- b) Drain Wire 22 (7/30) AWG TC
- 4) Jacket 0.063" Wall, Nom.,PVC 0.484 (0.509 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 5586C 37C 22 AWG  
XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME  
ENVIRONMENTS - SHIELDED 105C (UL) TYPE CM OR AWM  
2343 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
  - a) Component 1 AWM/STYLE 10002 105°C / 300 V<sub>RMS</sub>
  - b) Overall AWM/STYLE 2343 80°C
  - 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

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 5586C**  
**Page 2 of 1 Pages**

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

- 3) Pull Tension 209 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
- 4) Inductance 0.18  $\mu$ H/ft, Nominal
- 5) Conductor DCR 16.6  $\Omega$ /1000ft @20°C, Nominal
- 6) OA Shield DCR 10.4  $\Omega$ /1000ft @20°C, Nominal

**E. Other**

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

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.