

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 5070/25C
Page 1 of 1 Pages

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

A. Construction

Diameters (In)

- 1) Component 1 25 X 1 COND
- a) Conductor 18 (16/30) AWG TC
- b) Insulation 0.016" Wall, Nom. PVC 0.079
- (1) Color Code Alpha Wire Company Color Code D

Cond	Color	Cond	Color	Cond	Color
1	BLACK	10	SLATE	19	WHITE/YELLOW
2	RED	11	PINK	20	WHITE/BLUE
3	WHITE	12	TAN	21	WHITE/BROWN
4	GREEN	13	RED/GREEN	22	WHITE/ORANGE
5	ORANGE	14	RED/YELLOW	23	WHITE/SLATE
6	BLUE	15	RED/BLACK	24	WHITE/VIOLET
7	BROWN	16	WHITE/BLACK	25	WHITE/BLACK/RED
8	YELLOW	17	WHITE/RED		
9	VIOLET	18	WHITE/GREEN		

- 2) Cable Assembly 25 Components Cabled
- a) Twists: 2.2 Twists/foot (min)
- b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom.,PVC 0.542 (0.563 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 5070/25C 25C 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
 - a) Component 1 AWM/STYLE 1569 105°C / 300 VRMS
 - 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 314 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 300 VRMS
- 2) Capacitance 33 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.18 µH/ft, Nominal

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: 5070/25C
Page 2 of 1 Pages

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

4) Conductor DCR 7.3 Ω /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.