## ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 5170/25C Issue: 10

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A. Construction <u>Diameters (In)</u>

O 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: 25.2 Twists/foot (min)

b) Core Wrap Nonwoven Polyester Tape, 25% Overlap, Min.

3) Shield: A/P/A Tape, 25% Overlap, Min.

a) Drain Wire
b) Braid
TC,70% Coverage, Min.
Lacket
0.053" Wall, Nom. PVC.

4) Jacket 0.053" Wall, Nom.,PVC 0.612 (0.636 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 5170/25C 25C 18 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

a) Component 1 AWM/STYLE 1569 105°C / 300 V<sub>RMS</sub>
 b) Overall AWM/STYLE 2464 80°C / 300 V<sub>RMS</sub>

CM 105°C

VW-1

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

Temperature Range
 Bend Radius
 Pull Tension
 20 to 105°C
 10X Cable Diameter
 336 Lbs, Maximum

Sunlight Resistance Yes

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D. Electrical Properties

1) Voltage Rating

2) Capacitance

3) Ground Capacitance

4) Inductance5) Conductor DCR

6) OA Shield DCR

E. Other

1) Packaging

a) 1000 FT b) 500 FT

b) 500 FT c) 100 FT

d) Bulk(Made-to-order)

(For Engineering purposes only)

300 V<sub>RMS</sub>

51 pf/ft @1 kHz, Nominal Conductor to Conductor

92 pf/ft @1 kHz, Nominal

0.18 µH/ft, Nominal

7.3  $\Omega/1000$ ft @20°C, Nominal 1.66  $\Omega/1000$ ft @20°C, Nominal

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