ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 5420/7 Issue: 12

Page 1 of 1 Pages Issue Date: 6/12/2008 Effective Date: 7/1/2008

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

1) Component 1 7 X 1 COND

a) Conductor 20 (10/30) AWG TC b) Insulation 0.0325" Wall, Nom. PVC

(1) Color Code Alpha Wire Company Color Code E

 Cond
 Color
 Cond
 Color
 Cond
 Color

 1
 BLACK
 4
 ORANGE
 7
 BLUE

 2
 BROWN
 5
 YELLOW
 VELLOW

 3
 RED
 6
 GREEN

2) Cable Assembly 7 Components Cabled a) Twists: 3.4 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 20 (7/28) AWG TC

4) Jacket 0.063" Wall, Nom.,PVC 0.442 (0.465 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 5420/7 7C 20 AWG

XTRAGUARD 1 XTREME PERFORMANCE FOR XTREME ENVIRONMENTS (UL) MTW 600V OR AWM 2501 VW-1 ---

LLXXXXXX CSA AWM IA/B IIA/B 105C 600 VOLTS FT4 CE ROHS <SEQ FOOTAGE>

* = Factory Code

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

0.102

B. Industry Approvals

1) UL

a) Component 1 AWM/STYLE 1015 105°C / 600 V_{RMS}
MTW 90°C / 600 V_{RMS}
b) Overall MTW 90°C / 600 V_{RMS}
AWM/STYLE 2501 105°C / 600 V_{RMS}

VW-1

2) CSA International

a) Component 1 TEW 105°C / 600 V_{RMS} b) Overall AWM I/II A/B 105°C / 600 V_{RMS}

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 64 Lbs, Maximum

Sunlight Resistance Yes

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.

www.alphawire.com

ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 5420/7 Issue: 12

Page 2 of 1 Pages Issue Date: 6/12/2008 Effective Date: 7/1/2008

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 c) 100 FT

d) Bulk(Made-to-order)

(For Engineering purposes only)

600 V_{RMS}

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

56 pf/ft @1 kHz, Nominal

0.24 µH/ft, Nominal

11.6 Ω /1000ft @20°C, Nominal 7.5 Ω /1000ft @20°C, 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.