ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION

Part Number: 35452 Issue: 7

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A. Construction <u>Diameters</u>

1) Component 1 2 X 1 PAIR

a) Conductor 20 (7/28) AWG TC b) Insulation 0.016" Wall, Nom. PVC 0.070

(1) Color Code Alpha Wire Color Code A

Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE		·

c) Pair 2/Cond Cabled Together
(1) Twists: 6.0 Twists/foot (min)
2) Cable Assembly 2 Components Cabled
a) Twists: 3.7 Twists/foot (min)

b) Core Wrap Clear Mylar Tape, 25% Overlap, Min. Shield: Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction Foil Facing In b) Drain Wire 20 (7/28) AWG TC

4) Jacket 0.032" Wall, Nom., Polyethylene (PE) 0.301 (0.315 Max.)

Color(s)
 Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White

b) Ripcord 1 End 810 Denier Nylon
c) Print ALPHA WIRE-* P/N 35452

XTRAGUARD 3 XTREME PERFORMANCE FOR XTREME

ENVIRONMENTS 80C 300 VOLTS ROHS

<SEQ FOOTAGE>
* = Factory Code

B. Industry Approvals

1) UL

a) Component 1 AWM/STYLE1569 105°C / 300V

2) 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.

 California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

C. Physical & Mechanical Properties

1) Temperature Range -20 to 80°C

2) Bend Radius 10X Cable Diameter 3) Pull Tension 44 Lbs, Maximum

4) Sunlight Resistance Yes 5) Direct Burial Yes

D. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

Mutual Capacitance
 Ground Capacitance
 9pf/ft @1 kHz, Nominal
 tHz, Nominal
 kHz, Nominal

Characteristic Impedance 55 Ω

5) Inductance 0.19 µH/ft, Nominal

6) Conductor DCR
 7) OA Shield DCR
 10.3 Ω/1000ft @20°C, Nominal
 8.2 Ω/1000ft @20°C, Nominal

E. Other

1) Packaging

a) Bulk(Made-to-order)

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