ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: B954032 Issue:

Page 1 of 2 Pages **Issue Date:** 8/23/2010 **Effective Date:** 10/18/2010

A. Construction Diameters (mm)

3 X 1 COND Component 1

22 (7/30) AWG TC Conductor 0.76 0.25 Wall, Nom. PVC, Semi Rigid b) Insulation 1.27

(1) Color Code Alpha Wire Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	2	BROWN	3	RED

Cable Assembly 3 Components Cabled 31.5 Twists/meter (min) Twists: a)

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

Foil Direction Foil Facing In Drain Wire 22 (7/30) AWG TC b)

0.81 Wall, Nom., PVC 4.55 (4.80 Max.) Jacket

a) Color(s) **GREY**

Ripcord 1 End 810 Denier Nylon b) Print ALPHA WIRE-* P/N B954032

> 0.35MM2 (22AWG) (UL) TYPE CM 105C OR AWM 2464 VW-1 CE ROHS (SEQ METERS) * = Factory Code

B. Applicable Specifications

1) UL

105°C / 300 V_{RMS} a) Component 1 AWM/STYLE 10002 Overall AWM/STYLE 2464 80°C / 300 V_{RMS} b) CM

105°C

VW-1

2) **IEC** EN 60332-1 Flame Behavior EN 60332-2 Flame Behavior

CE: LVD 73/23/EEC Amendment 93/68/EEC

C. Environmental Compliance

1) 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.

2) REACH Regulation (EC 1907/2006):

This product does not contain any of the substances listed on the European Union REACH Substance of Very High Concern (SVHC) candidate list, dated 30 March 2010, in excess of a concentration of 0.1% weight/weight.

Physical & Mechanical Properties

Temperature Range -30 to 105°C Bend Radius 10X Cable Diameter 3) Pull Tension 22 Lbs, Maximum

Sunlight Resistance Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating $300 V_{RMS}$

Capacitance 118.08 pf/m @1 kHz, Nominal Conductor to Conductor 2)

3) **Ground Capacitance** 213.2 pf/m @1 kHz, Nominal 4) Inductance 0.5904 µH/m, Nominal 5) Conductor DCR 53.792 Ω/Km @20°C, Nominal OA Shield DCR 44.936 Ω/Km @20°C, Nominal

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Part Number: B954032 Issue: 1

Page 2 of 2 Pages Issue Date: 8/23/2010 Effective Date: 10/18/2010

F. Other

1) Packaging

a) 3280 FT
b) 1640 FT
c) 328 FT
d) 164 FT

10 x 4 x 3.5 Continuous length

d) 164 FT
f) 5x 4 x 2.5 Continuous length

(5) 5x 4 x 2.5 Continuous length
(5pool dimensions may vary slightly)

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