ALPHA WIRE **CUSTOMER PRODUCT SPECIFICATION**

Part Number: B954033 Issue:

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A. Construction Diameters (mm)

1) Component 1 3 X 1 COND

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

(1) Color Code Alpha Wire Color Code E

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

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

Core Wrap Clear Mylar Tape, 25% Overlap, Min. b) TC BRAID Shield,85% Coverage, Min. Shield

a) Drain Wire 22 (7/30) AWG TC 0.81 Wall, Nom., PVC Jacket

5.00 (5.27 Max.)

a) Color(s) **GREY**

b) Ripcord 1 End 810 Denier Nylon ALPHA WIRE-* P/N B954033 Print c)

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

* = Factory Code

B. Applicable Specifications

1) UL

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

VW-1

IEC EN 60332-1 Flame Behavior 2) 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.

D. Physical & Mechanical Properties

1) Temperature Range -30 to 105°C Bend Radius 10X Cable Diameter Pull Tension 25 Lbs, Maximum

4) Sunlight Resistance Yes

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating $300 V_{RMS}$

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

Ground Capacitance 213.2 pf/m @1 kHz, Nominal 3) 4) Inductance 0.5904 µH/m, Nominal 5) Conductor DCR 53.792 Ω/Km @20°C, Nominal 6) OA Shield DCR 14.76 Ω/Km @20°C, Nominal

Other

Flange x Traverse x Barrel (inches) Packaging

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a)	3280 FT	18 x 12 x 8 Continuous length
b)	1640 FT	12 x 12 x 3.5 Continuous length
c)	328 FT	10 x 4 x 3.5 Continuous length
ď)	164 FT	6.5 x 4 x 2.5 Continuous length
,		[Spool dimensions may vary slightly]

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