ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 78331 Issue: 1

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Effective Date: 10/3/2014

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

1) Component 1 15 X 1 COND

a) Conductor 24 (19/36) AWG Tinned Copper 0.025 b) Insulation 0.007" Wall, Nom. Modified Polyphenylene Ether-PE 0.039

(1) Color Code Alpha Wire Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	6	GREEN	11	WHITE/BLACK
2	BROWN	7	BLUE	12	WHITE/BROWN
3	RED	8	VIOLET	13	WHITE/RED
4	ORANGE	9	SLATE	14	WHITE/ORANGE
5	YELLOW	10	WHITE	15	WHITE/YELLOW

2) Cable Assembly 15 Components Cabled a) Twists: 4.8 Twists/foot (min)

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

Shield: A/P/A Tape, 25% Overlap, Min.
a) Drain Wire 24 (7/32) AWG Tinned Copper
b) Braid Tinned Copper, 70% Coverage, Min.

4) Jacket 0.015" Wall, Nom., Modified Polyphenylene Ether-PE 0.244 (0.258 Max.)

a) Color(s) SLATE

b) Ripcord 1 End 810 Denier Nylon

c) Jacket Separator
 d) Print
 Nonwoven Polyester Tape, 25% Overlap, Min.
 ALPHA WIRE-* P/N 78331 15C 24 AWG

ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1

C(RU) AWM I A/B FT1 80C 300V CE ROHS (SEQ FOOTAGE)

* = Factory Code

B. Applicable Specifications

) UL AWM/STYLE 21460 80°C / 300 V_{RMS}

VW-1

2) CSA International C(RU) AWM I A/B FT1 80°C / 300 V_{RMS}

3) Other Halogen-Free

4) CE: EU Low Voltage Directive 2006/95/EC

C. Environmental Compliance

1) CE: EU Directive 2011/65/EU(RoHS2):

This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.

2) REACH Regulation (EC 1907/2006):

This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.

D. Physical & Mechanical Properties

Temperature Range
 Bend Radius
 Pull Tension
 40 to 80°C
 10X Cable Diameter
 63 Lbs, Maximum

E. Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V_{RMS}

2) Capacitance 30 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 54 pf/ft @1 kHz, Nominal 4) Inductance 0.17 µH/ft, Nominal

5) Conductor DCR 24.3 Ω/1000ft @20°C, Nominal 6) OA Shield DCR 3.8 Ω/1000ft @20°C, Nominal

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F. Other

1) Packaging Flange x Traverse x Barrel (inches)
a) 1000 FT 12 x 12 x 3.5 Continuous length
b) 100 FT 12 x 4.5 x 3.5 Continuous length

c) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

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