## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 45096 Issue: 15

Page 1 of 2 Pages Issue Date: 1/19/2015 Effective Date: 1/31/2015

A. Construction Diameters (In)

1) Component 1 6 X 1 COND

 a) Conductor
 24 (7/32) AWG Tinned Copper
 0.024

 b) Insulation
 0.016" Wall, Nom. TPE
 0.056

(1) Color Code Alpha Wire Color Code E

Cond	Color	Cond	Color	Cond	Color
1	BLACK	3	RED	5	YELLOW
2	BROWN	4	ORANGE	6	GREEN

2) Cable Assembly 6 Components Cabled a) Twists: 6.0 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 24 (7/32) AWG Tinned Copper

4) Jacket 0.042" Wall, Nom.,TPE 0.261 (0.274 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 45096

XTRAGUARD(R) 4 RU AWM 20237/21918 125C 300V SUN

RES OR CRU AWM I/II A/B 125C 300 VOLTS FT1

P-07-KA140023-MSHA CE ROHS

(SEQ FOOTAGE)

\* = Factory Code

B. Applicable Specifications

1) UL AWM/STYLE 20237 125°C / 300 V<sub>RMS</sub>

AWM/STYLE 21918 125°C / 300 V<sub>RMS</sub>

SUN RES

2) CSA International C(RU) AWM I/II A/B FT1 125°C / 300 V<sub>RMS</sub>

SUN RES (Black only)

3) Other PENNSYLVANIA BUREAU OF MINE SAFETY APPROVED

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.

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

requirements of California Proposition 65.

D. Physical & Mechanical Properties

Temperature Range
 Bend Radius
 Pull Tension
 50 to 125°C
 10X Cable Diameter
 24.6 Lbs, Maximum

4) Sunlight Resistance Yes

**E.** Electrical Properties (For Engineering purposes only)

1) Voltage Rating 300 V<sub>RMS</sub>

Capacitance 18.1 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 33 pf/ft @1 kHz, Nominal
4) Inductance 0.22 µH/ft, Nominal

5) Conductor DCR 26 Ω/1000ft @20°C, Nominal 6) OA Shield DCR 15.9 Ω/1000ft @20°C, Nominal

F. Óther

1) Packaging Flange x Traverse x Barrel (inches)

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.

## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 45096 Issue: 15

Page 2 of 2 Pages Issue Date: 1/19/2015 Effective Date: 1/31/2015

a) 1000 FT 12 x 12 x 3.5 Continuous length b) 500 FT 12 x 6 x 3.5 Continuous length

c) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

2) Notes:

a) Print legend will contain CSA SUN RES on black cables only.

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.