## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 25452 Issue: 13

Page 1 of 2 Pages Issue Date: 12/20/2012
Effective Date: 1/4/2013

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

1) Component 1 2 X 1 PAIR

a) Conductor 20 (7/28) AWG TC 0.038 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: 4.4 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 20 (7/28) AWG TC

4) Jacket 0.032" Wall, Nom., Polyurethane (TPU) 0.302 (0.316 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 25452

XTRAGUARD(R) 2 RU AWM 20668 VW-1 --- LLXXXXXX CSA

AWM I/II A/B 90C 300 VOLTS FT1 CE

ROHS (SEQ FOOTAGE)

\* = Factory Code

[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]

B. Applicable Specifications

1) UL

a) Component 1 AWM/STYLE 1569 105°C / 300 V<sub>RMS</sub>
b) Overall AWM/STYLE 20668 90°C / 300 V<sub>RMS</sub>
VW-1

V V V - I

2) CSA International AWM I/II A/B 90°C / 300 V<sub>RMS</sub>

FT1

3) 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 <u>Alpha's REACH SVHC Declaration</u>. The outer surface materials used in the manufacture of this part meet the

requirements of California Proposition 65.

D. Physical & Mechanical Properties

California Proposition 65:

1) Temperature Range -30 to 90°C

2) Bend Radius3) Pull Tension10X Cable Diameter44 Lbs, Maximum

4) Sunlight Resistance Yes

E. Electrical Properties (For Engineering purposes only)

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

2) Mutual Capacitance 39 pf/ft @1 kHz, Nominal

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: 25452 Issue: 13

Page 2 of 2 Pages **Issue Date:** 12/20/2012 **Effective Date:** 1/4/2013

**Ground Capacitance** 70 pf/ft @1 kHz, Nominal Characteristic Impedance 4) 55 Ω

5) Inductance 0.19 µH/ft, Nominal Conductor DCR  $10.4 \Omega/1000 ft @20$ °C, Nominal 6)

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

1) Packaging Flange x Traverse x Barrel (inches)

a) Bulk(Made-to-order)

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.