

**ALPHA WIRE**  
**CUSTOMER PRODUCT SPECIFICATION**

Part Number: 669353  
Page 1 of 2 Pages

Issue: 1  
Issue Date: 4/23/2012  
Effective Date: 6/18/2012

**A. Construction**

**Diameters (In)**

- 1) Component 1 5 X 1 COND
  - a) Conductor 22 (41/38) AWG BC 0.030
  - b) Insulation 0.016" Wall, Nom. PVC 0.062
  - (1) Print ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED
  - (2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	RED #1	3	RED #3	5	YELLOW/GREEN/GREEN
2	RED #2	4	RED #4		

- 2) Cable Assembly 5 Components Cabled
  - a) Twists: 8.0 Twists/foot (min)
  - b) Core Wrap REMAY Tape, 25% Overlap, Min.
- 3) Jacket 0.032" Wall, Nom.,PVC 0.255+/- 0.012
  - a) Color(s) BLACK
  - b) Jacket Separator Tissue Tape, 25% Overlap, Min.
  - c) Print ALPHA WIRE-\* P/N 669353 5C 22 AWG  
EXXXXX RU AWM 2661 105C 300V ---  
LLXXXXXX CSA AWM I/II A/B FT1 105C 300V  
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 AWM/STYLE 2661 105°C / 300 V<sub>RMS</sub>
- 2) CSA International AWM I/II A/B 105°C / 300 V<sub>RMS</sub>  
FT1
- 3) CE: EU Low Voltage Directive 2006/95/EC

**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.

**D. Physical & Mechanical Properties**

- 1) Temperature Range -40 to 105°C(static), -5 to 90°C (dynamic)
- 2) Bend Radius 8X Cable Diameter(static), 8X Cable Diameter(dynamic)
- 3) Pull Tension 26 Lbs, Maximum


**E. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 300 V<sub>RMS</sub>
- 2) Capacitance 29 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.2 μH/ft, Nominal
- 4) Conductor DCR 16.5 Ω/1000ft @20°C, Nominal

**F. Other**

- 1) Packaging Flange x Traverse x Barrel (inches)
  - a) Bulk(Made-to-order)

**This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.**

Accepted By: 	Date: 05/03/12
Company: IEWC	Title: ACCOUNT MANAGER

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