

**ALPHA WIRE COMPANY  
CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 669279**  
**Page 1 of 2 Pages**

**Issue: 1**  
**Issue Date: 6/8/2007**  
**Effective Date: 6/8/2007**

**A. Construction**

**Diameters**

- 1) Component 1 4 X 1 COND
- a) Conductor 8 (168(7x24)/30) AWG BC
- b) Insulation 0.047" Wall, Nom. PVC 0.262
- (1) Color Code Alpha Wire Color Code KX

Cond	Color	Cond	Color	Cond	Color
1	GREEN/YELLOW	3	BLACK#2		
2	BLACK#1	4	BLACK#3		

- 2) Cable Assembly 4 Components Cabled
- a) Twists: 1.3 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Shield: A/P/A Tape, 25% Overlap, Min.
- a) Drain Wire 4 x 14 (41/30) AWG TC
- b) Braid TC, 70% Coverage, Min.
- 4) Jacket 0.085" Wall, Nom., PVC 0.841 (0.865 Max.)
- a) Color(s) BLACK
- b) Print ALPHA WIRE-\* P/N 669279 4C 8 AWG  
EXXXXXX (UL) TYPE TC-ER 600V 90C  
--- LLXXXXXX CSA AWM IA/B IIA/B 90C 600V FT4  
CE ROHS  
\* = Factory Code

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

**B. Industry Approvals**

- 1) UL TC 90°C / 600V  
EXPOSED RUN
- 2) CSA International AWM-I-A/B-II-A/B 90°C / 600V  
FT4
- 3) 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.
- 4) CE: LVD 73/23/EEC Amendment 93/68/EEC

**C. Physical & Mechanical Properties**

- 1) Temperature Range -20 to 90°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 574 Lbs, Maximum

**D. Electrical Properties**

- (For Engineering purposes only)
- 1) Voltage Rating 600 V<sub>RMS</sub>
- 2) Capacitance 54 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 97 pf/ft @1 kHz, Nominal
- 4) Inductance 0.17 µH/ft, Nominal
- 5) Conductor DCR 0.65 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 0.93 Ω/1000ft @20°C, Nominal

**E. Other**

- 1) Packaging
  - a) Bulk(Made-to-order)

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

Accepted By:	Date:
--------------	-------

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure there 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 COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

**Part Number: 669279**  
**Page 2 of 2 Pages**

**Issue: 1**  
**Issue Date: 6/8/2007**  
**Effective Date: 6/8/2007**

Company:

Title:

Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure the 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.