

**ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 669284
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Issue: 1
Issue Date: 6/8/2007
Effective Date: 6/8/2007

A. Construction

Diameters

- 1) Component 1 4 X 1 COND
- a) Conductor 10 (105/30) AWG BC
- b) Insulation 0.032" Wall, Nom. PVC 0.182
- (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: 1.8 Twists/foot (min)
- b) Core Wrap Clear Mylar Tape, 25% Overlap, Min.
- 3) Shield: A/P/A Tape, 25% Overlap, Min.
- a) Drain Wire 10 (105/30) AWG TC
- b) Braid TC, 70% Coverage, Min.
- 4) Jacket 0.065" Wall, Nom., PVC 0.601 (0.623 Max.)
- a) Color(s) BLACK
- b) Print ALPHA WIRE-* P/N 669284 4C 10 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.
LVD 73/23/EEC Amendment 93/68/EEC

- 4) CE:

C. Physical & Mechanical Properties

- 1) Temperature Range -20 to 90°C
- 2) Bend Radius 10X Cable Diameter
- 3) Pull Tension 421 Lbs, Maximum

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
- 2) Capacitance 59 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 106 pf/ft @1 kHz, Nominal
- 4) Inductance 0.17 µH/ft, Nominal
- 5) Conductor DCR 1.02 Ω/1000ft @20°C, Nominal
- 6) OA Shield DCR 0.7 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:
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