

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

Part Number: 669246  
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Issue: 2  
Issue Date: 2/26/2007  
Effective Date: 2/26/2007

**A. Construction**

Diameters

- 1) Component 1                      4 X 1 COND
  - a) Conductor                      10 (105/30) AWG BC
  - b) Insulation                      0.022" Wall, Nom. PVC/ 0.005" Wall NYLON                      0.172
  - (1) Print                              ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND  
INVERTED 2 INCH SPACING(CTR. TO CTR.)
  - (2) 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:                              2.1 Twists/foot (min)
  - b) Core Wrap                          REMAY Tape, 25% Overlap, Min.
- 3) Jacket                                  0.065" Wall, Nom., TPE    0.561+/- 0.021
  - a) Color(s)                              BLACK
  - b) Print                                      ALPHA WIRE-\* P/N 669246 4/C 10 AWG (5.32mm<sup>2</sup>)  
THHN SERIES P (UL) TYPE TC-ER 90C 600V  
OIL RES I/II SUN RES --- LLXXXXXX CSA  
AWM IA/B IIA/B 90C 600V FT4  
CE ROHS (DATE CODE) (SEQ FOOTAGE)  
\* = Factory Code

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

**B. Industry Approvals**

- 1) UL
  - a) Component 1                      THHN    90°C / 600V
  - b) Overall                                TC    90°C / 600V  
EXPOSED RUN  
SUN RES  
OIL RES I/II  
MTW    90°C / 600V
- 2) CSA International                      AWM-I-A/B-II-A/B    90°C / 600V  
FT4
- 3) CE:                                        LVD 73/23/EEC Amendment 93/68/EEC

**C. Physical & Mechanical Properties**

- 1) Temperature Range                      -25 to 90°C
- 2) Bend Radius                              10X Cable Diameter
- 3) Pull Tension                                330 Lbs, Maximum

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

- 1) Voltage Rating                              600 V<sub>RMS</sub>
- 2) Capacitance                                36 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance                                  0.16 µH/ft, Nominal
- 4) Conductor DCR                              1.02 Ω/1000ft @20°C, Nominal

**E. Other**

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

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

Accepted By:	Date:
Company:	Title:

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