

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 669245
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Issue: 3
Issue Date: 10/9/2007
Effective Date: 10/9/2007

A. Construction

Diameters

- 1) Component 1 12 X 1 COND
- a) Conductor 14 (41/30) AWG BC
- b) Insulation 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.116
- (1) Print ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED
- (2) Color Code Alpha Wire Color Code RW

Cond	Color	Cond	Color	Cond	Color
1	GREEN/YELLOW	5	RED#4	9	RED#8
2	RED#1	6	RED#5	10	RED#9
3	WHITE/RED	7	RED#6	11	RED#10
4	RED#3	8	RED#7	12	RED#11

- 2) Cable Assembly 12 Components Cabled
- a) Twists: 1.8 Twists/foot (min)
- b) Core Wrap REMAY Tape, 25% Overlap, Min.
- 3) Jacket 0.065" Wall, Nom., TPE 0.627+/- 0.029
- a) Color(s) BLACK
- b) Print ALPHA WIRE-* P/N 669245 12C 14 AWG (2.08mm2)
THHN SERIES P (UL) TYPE TC-ER 90C 600V
OIL RES I/II SUN RES OR TYPE PLTC 90C
--- 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
MTW 90°C / 600V
 - b) Overall TC 90°C / 600V
EXPOSED RUN
SUN RES
PLTC 90°C
OIL RES I/II
- 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) California Proposition 65: The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
- 5) 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 386 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties (For Engineering purposes only)

- 1) Voltage Rating 600 V_{RMS}
- 2) Capacitance 34 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Inductance 0.17 µH/ft, Nominal
- 4) Conductor DCR 2.6 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging

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- a) Bulk(Made-to-order)
- 2) Notes:
 - a) Moved MTW from overall industry approval to component 1. GK.

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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