

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 669216
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Issue: 3
Issue Date: 7/5/2007
Effective Date: 7/5/2007

A. Construction

Diameters

- 1) Component 1 12 X 1 COND
 - a) Conductor 16 (26/30) AWG BC
 - b) Insulation 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.102
 - (1) Print ALPHA NUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED
 - (2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	5	BLACK #5	9	BLACK #9
2	BLACK #2	6	BLACK #6	10	BLACK #10
3	BLACK #3	7	BLACK #7	11	BLACK #11
4	BLACK #4	8	BLACK #8	12	BLACK #12

- 2) Cable Assembly 12 Components Cabled
 - a) Twists: 2.1 Twists/foot (min)
 - b) Core Wrap REMAY Tape, 25% Overlap, Min.
- 3) Shield: Alum/Mylar Tape, 25% Overlap, Min.
 - a) Foil Direction Foil Facing In
 - b) Drain Wire 16 (26/30) AWG TC
- 4) Jacket 0.065" Wall, Nom., TPE 0.573+/- 0.028
 - a) Color(s) BLACK
 - b) Print ALPHA WIRE-* P/N 669216 12C 16 AWG (1.32mm2)
TFFN 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 TFFN 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 265 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

- (For Engineering purposes only)
- 1) Voltage Rating 600 V_{RMS}
- 2) Capacitance 48 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 86 pf/ft @1 kHz, Nominal
- 4) Inductance 0.18 µH/ft, Nominal

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- 5) Conductor DCR 4.1 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 3.7 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:
Company:	Title:

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