

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Number: 669282
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Issue: 1
Issue Date: 6/8/2007
Effective Date: 6/8/2007

A. Construction

Diameters

- 1) Component 1 16 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	7	BLACK #7	13	BLACK #13
2	BLACK #2	8	BLACK #8	14	BLACK #14
3	BLACK #3	9	BLACK #9	15	BLACK #15
4	BLACK #4	10	BLACK #10	16	BLACK #16
5	BLACK #5	11	BLACK #11		
6	BLACK #6	12	BLACK #12		

- 2) Cable Assembly 16 Components Cabled
- a) Twists: 1.8 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 0.635+/- 0.031
- a) Color(s) BLACK
- b) Jacket Separator Tissue Tape, 25% Overlap, Min.
- c) Print ALPHA WIRE-* P/N 669282 16C 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 347 Lbs, Maximum
- 4) Sunlight Resistance Yes

D. Electrical Properties

- 1) Voltage Rating (For Engineering purposes only)
600 V_{RMS}

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- 2) Capacitance 48 pf/ft @1 kHz, Nominal Conductor to Conductor
- 3) Ground Capacitance 86 pf/ft @1 kHz, Nominal
- 4) Inductance 0.18 μ H/ft, Nominal
- 5) Conductor DCR 4.1 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 3.5 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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