

**ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION**

Part Number: 669347
Page 1 of 2 Pages

Issue: 1
Issue Date: 2/2/2012
Effective Date: 2/2/2012

A. Construction

- | | | |
|----------------|--|-----------------------|
| 1) Component 1 | 7 X 1 COND | <u>Diameters (In)</u> |
| a) Conductor | 18 (19/30) AWG BC | |
| b) Insulation | 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON | 0.050 |
| (1) Color(s) | | 0.092 |

Cond	Color	Cond	Color	Cond	Color
1	BLACK	4	GREEN	7	BROWN
2	WHITE	5	BLUE		
3	RED	6	YELLOW		

- | | | |
|-------------------|--|----------------|
| 2) Cable Assembly | 7 Components Cabled | |
| a) Twists: | 3.2 Twists/foot (min) | |
| b) Core Wrap | REMA Y Tape, 25% Overlap, Min. | |
| 3) Shield: | Alum/Mylar Tape, 25% Overlap, Min. | |
| a) Foil Direction | Foil Facing In | |
| b) Drain Wire | 18 (16/30) AWG TC | |
| 4) Jacket | 0.050" Wall, Nom., TPE | |
| a) Color(s) | BLACK | 0.397+/- 0.022 |
| b) Print | ALPHA WIRE-* P/N 669347 7C 18 AWG (0.963mm ²)
TFFN SERIES P (UL) TYPE TC-ER 90C 600V
OIL RES I/II SUN RES OR TYPE PLTC 90C
-- LLXXXXXX CSA AWM I/II A/B 90C 600V FT4
CE ROHS (DATE CODE) (SEQ FOOTAGE)
* = Factory Code | |

B. Applicable Specifications

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

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

C. Environmental Compliance

- 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. The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
- California Proposition 65:

D. Physical & Mechanical Properties

- Temperature Range: -25 to 90°C
- Bend Radius: 10X Cable Diameter
- Pull Tension: 117 Lbs, Maximum
- Sunlight Resistance: Yes
- Direct Burial: Yes

E. Electrical Properties

- Voltage Rating: (For Engineering purposes only)
600 V_{RMS}
- Capacitance: 43 pF/ft @1 kHz, Nominal Conductor to Conductor
- Ground Capacitance: 77 pF/ft @1 kHz, Nominal
- Inductance: 0.19 µH/ft, Nominal

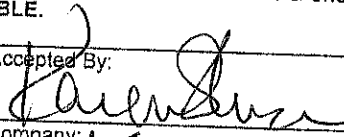
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- 5) Conductor DCR 5.6 Ω /1000ft @20°C, Nominal
- 6) OA Shield DCR 5.7 Ω /1000ft @20°C, Nominal
- F. Other
- 1) Packaging Flange x Traverse x Barrel (inches)
 - a) Bulk(Made-to-order)

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

Accepted By: 	Date: 2-2-12
Company: HWC	Title: Act Mgr

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