ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 669384 Issue: 2

Page 1 of 2 Pages **Issue Date:** 11/11/2015 **Effective Date:** 11/25/2015

A. Construction

12 X 1 COND

Diameters (In)

Component 1 a) Conductor

18 (19/30) AWG Bare Copper

0.050

Insulation

0.016" Wall, Nom. PVC/ 0.005" Wall NYLON

0.092

(1) Print

ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND

INVERTED

(2) Color(s)

Cond	Color	Cond	Color	Cond	Color	97%, 920S
1	BLACK #1	5	YELLOW #5	9	SLATE #0	**constant
2	BROWN #2	6	GREEN #6	110	WHITE #10	*97(CA
3	RED#3	7	BLUE #7	1 11 4	WHITE/BLACK #11	Y60005.
4	ORANGE #4	6	VIOLET #8	12	WHITE/BROWN #12	Yes

2) Cable Assembly

12 Components Cabled

Twists:

2.3 Twists/foot (min)

Orientation:

Components to be arranged from OUTSIDE LAYER to INSIDE LAYER

Core Wrap C)

REMAY Tape, 25% Overlap, Min. Alum/Mylar Tape, 25% Overlap, Min.

Shield: a) Foil Direction

Foil Facing In

b) Drain Wire

18 (16/30) AWG Tinned Copper

Jacket

0.065" Wall, Nom., TPE

0.531+/- 0.028

a) Color(s)

BLACK

b) Print

ALPHA WIRE-* P/N 669384 12C 18 AWG (0.963mm2)

PCMC # 30641180 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 (DATE CODE) (SEQ FOOTAGE)

CE ROHS = Factory Code

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

B. Applicable Specifications

1) UL a)

b)

Component 1 **TFFN** Overall

TC PLTC

90°C / 600 VRMS 90°C / 600 VRMS

SUN RES

90°C

EXPOSED RUN

OIL RES I/II

CSA International

AWM I/II A/B

90°C / 600 V_{RMS}

FT4

CE:

EU Low Voltage Directive 2006/95/EC

C. Environmental Compliance

1) CE:

EU Directive 2011/65/EU(RoHS2):

This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.

2) California Proposition 65:

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

D. Physical & Mechanical Properties

Temperature Range 1)

-25 to 90°C

2) **Bend Radius** 10X Cable Diameter

Pull Tension

192 Lbs, Maximum

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4) Sunlight Resistance Yes
5) Direct Burial Yes

E. Electrical Properties (For Engineering purposes only)

Voltage Rating 600 V_{RM}

2) Capacitance 43 pf/ft @1 kHz, Nominal Conductor to Conductor

3) Ground Capacitance 77 pf/ft @1 kHz, Nominal
4) Inductance 0.19 µH/ft, Nominal

5) Conductor DCR
 6) OA Shield DCR
 5.7 Ω/1000ft @20°C, Nominal
 5.4 Ω/1000ft @20°C, Nominal

F. Other

1) Packaging Flange x Traverse x Barrel (inches)

a) Bulk(Made-to-order)

2) Notes:

a) Use W30-14 spool per customer request.

b) Insulated conductor print and stripe will intersect periodically.

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

Accepted By:

The Body

Company:

Paper Converting Co. Senior Designer

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