ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

2 issue: Part Number: 669380

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

Construction

12 X 1 COND 1) Component 1

0.060 Conductor 16 (26/30) AWG Bare Copper 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.102 Insulation

ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND (1) Print **INVERTED**

(2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	5	YELLOW #5		SLATE #9
3	BROWN #2	1.6	GREEN #6	10	WHITE #10 to Tallion
1	REDIN	1	BLUE #7	11 **	WHITE/BLACK #11
1	ORANGE #4	8	VIOLET #8	12	WHITE/BROWN #12
	1 0/4 4/402 4/4		AAAA		The second of

Cable Assembly

Twists:

12 Components Cabled

Orientation: b)

2.1 Twists/foot (min)

Components to be arranged from OUTSIDE LAYER to INSIDE LAYER REMAY Tape, 25% Overlap, Min.

Core Wrap c) Shield:

Alum/Mylar Tape, 25% Overlap, Min.

Foil Direction a) **Drain Wire** b)

Foil Facing In 16 (26/30) AWG Tinned Copper

0.573+/- 0.028

Diameters (In)

Jacket a)

b)

0.065" Wall, Nom., TPE BLACK

Color(s) **Print**

ALPHA WIRE-* P/N 669380 12C 16 AWG (1.32mm2)

PCMC # 30641171 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) ROHS

* = Factory Code

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

90°C

B. Applicable Specifications

UL 1)

Component 1 **TFEN** Overall TC

90°C / 600 VRMS 90°C / 600 VRMS

EXPOSED RUN SUN RES

PLTC

OIL RES I/II AWM I/II A/B

2) CSA International

90°C / 600 VRMS

EU Low Voltage Directive 2006/95/EC

CE: **Environmental Compliance**

CE: 1)

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.

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

1) Temperature Range

-25 to 90°C

Bend Radius

10X Cable Diameter

Pull Tension

265 Lbs, Maximum

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Sunlight Resistance E. Electrical Properties

Yes

(For Engineering purposes only)

Voltage Rating

2) Capacitance

Ground Capacitance 3) Inductance

Conductor DCR 5)

6) OA Shield DCR 48 pf/ft @1 kHz, Nominal Conductor to Conductor 86 pf/ft @1 kHz, Nominal

0.18 µH/ft, Nominal

4.1 Ω/1000ft @20°C, Nominal 3.7 Ω/1000ft @20°C, Nominal

Other

1) Packaging

Flange x Traverse x Barrel (inches)

a) Bulk(Made-to-order)

2) Notes:

Use W30-14 spool per customer request.

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 Ruly	Date: 11/24/15
Company:	Title:
Paper Converting Co.	Sentur Designer

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