ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 669381 issue:

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

Construction

Diameters (In)

16 X 1 COND Component 1

16 (26/30) AWG Bare Copper 0.060 Conductor Insulation 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.102 ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND (1) Print

INVERTED

(2) Color(s)

Cond	Color	Cond	Color	Cond	Color
1	BLACK #1	7	BLUE #7	12	WISTERED #13
2	BROWN #2	8	VIOLET #8	14	WHITE/ORANGE #14
3	RED#3	g	SLATE #9	15 🗈	WHITE/YELLOW #15
4	ORANGE #4	10	WHIE #10	16	WHITE/GREEN #16
5	YELLOW #5	11	WHITE/BLACK #11		Notice and the second
5	GREEN #6	12	WHITE/BROWN #12	1	"EDDA, ACCESSIONERS

2) Cable Assembly

a) Twists:

16 Components Cabled 1.8 Twists/foot (min)

Components to be arranged from OUTSIDE LAYER to INSIDE LAYER

b) Orientation: Core Wrap c)

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

Shield:

Foil Direction

Foil Facing In

16 (26/30) AWG Tinned Copper

b) Drain Wire Jacket

b)

C)

0.065" Wall, Nom., TPE

0.635+/- 0.031

a)

Print

Color(s) **Jacket Separator** BLACK

Tissue Tape, 25% Overlap, Min.

ALPHA WIRE-* P/N 669381 16C 16 AWG (1.32mm2)

PCMC # 30641172 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.]

Applicable Specifications

UL

TFFN Component 1 a) Overall TC

90°C / 600 VRMS 90°C / 600 VRMS

EXPOSED RUN

SUN RES

PLTC

90°C

CSA International

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

90°C / 600 VRMS

Environmental Compliance

1) CE:

EU Directive 2011/65/EU(RoHS2):

EU Low Voltage Directive 2006/95/EC

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

-25 to 90°C

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Bend Radius 10X Cable Diameter 3) 347 Lbs, Maximum **Pull Tension** Sunlight Resistance 4) Yes E. Electrical Properties (For Engineering purposes only) 1) Voltage Rating 600 V_{RMS} Capacitance 48 pf/ft @1 kHz, Nominal Conductor to Conductor 2) **Ground Capacitance** 86 pf/ft @1 kHz, Nominal 3) Inductance 0.18 µH/ft, Nominal 5) Conductor DCR 4.1 Ω/1000ft @20°C, Nominal 6) OA Shield DCR 3.5 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:	Date:
The Benty	11/24/15
Company:	Title:
Paper Converting Co	Sentor Designer

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