ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 669385

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

A. Construction

Diameters (In)

1) Component 1 Conductor 16 X 1 COND

18 (19/30) AWG Bare Copper

0.050

Insulation

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

(1) Print

0.092

ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND

INVERTED

(2) Color(s)

Cond	Color_	Cond	Color	Cond	Color ***********************************	
1	BLACK#1	1	BLUE #7	13	WHITE/RED#13	
3	BROWN #2	8	VIOLET #8	14	WHITE/ORANGE #14	
3	RED #3	0	SLATE #9	15 🐇	WHITEYELLOW #15	4.
4	ORANGE #4	10	WHIESTO	18	WHITE/GREEN #18	1550
5	YELLOW#5	11	WHITE/BLACK #11		Val. 200_	7007
6	GREEN #6	1 12	WHITE/BROWN #12		NOTES AND ADDRESS.	

Cable Assembly

16 Components Cabled

Twists:

2.0 Twists/foot (min)

Orientation:

Components to be arranged from OUTSIDE LAYER to INSIDE LAYER

Core Wrap c)

REMAY Tape, 25% Overlap, Min.

Shield:

Alum/Mylar Tape, 25% Overlap, Min.

a) Foil Direction

Foil Facing In

b) Drain Wire

18 (16/30) AWG Tinned Copper

0.582+/- 0.031

Jacket a) Color(s)

b)

0.065" Wall, Nom., TPE BLACK

Print

ALPHA WIRE-* P/N 669385 16C 18 AWG (0.963mm2)

PCMC # 30641184 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

1) UL

b)

a) Component 1 Overall

TFFN TC

90°C / 600 VRMS 90°C / 600 VRMS

EXPOSED RUN

SUN RES

PLTC

90°C

OIL RES I/II

AWM I/II A/B

90°C / 600 VRMS

CSA International

FT4

3) CE:

EU Low Voltage Directive 2006/95/EC

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

-25 to 90°C

Bend Radius 2)

10X Cable Diameter

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Pull Tension 251 Lbs, Maximum Sunlight Resistance **Electrical Properties** (For Engineering purposes only) 600 VRMS Voltage Rating 1) 2) Capacitance 43 pf/ft @1 kHz, Nominal Conductor to Conductor **Ground Capacitance** 3) 77 pf/ft @1 kHz, Nominal 0.19 µH/ft, Nominal 4) Inductance 5) Conductor DCR 5.7 Ω/1000ft @20°C, Nominal OA Shield DCR 5.4 Ω/1000ft @20°C, Nominal

F. Other

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:

That Isung 11/24/15

Company:

Title:

Sensor Designer

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