ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 18-1897 Issue. Page 1 of 2 Pages Issue Date: 2/27/2019 **Effective Date:** 4/15/2019

A. Construction

Component 1

12 X 1 COND

Diameters (In)

Conductor Insulation

16 (26/30) AWG Bare Copper

0.060

(1) Print

0.016" Wall, Nom. PVC/ 0.005" Wall NYLON ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND

0.102

INVERTED

(2) Color(s)

Cond Color	Cond	Color	Cond	Color
1 BLACK#1	5	YELLOW #5	9	SLATE #9
2 BROWN #2	6	GREEN#6	10	WHITE#10
3 RED#3	7	BLUE #7	111	WHITE/BLACK #11
4 ORANGE #4	8	VIOLET #8	12	WHITE/BROWN #12

Cable Assembly

Twists: Orientation: 12 Components Cabled

2.1 Twists/foot (min)

b) Core Wrap c)

Components to be arranged from OUTSIDE LAYER to INSIDE LAYER Clear Mylar Tape, 25% Overlap, Min. Alum/Mylar Tape, 25% Overlap, Min.

Shield: Foil Direction a)

Foil Facing In

16 (26/30) AWG Tinned Copper

b) Drain Wire Jacket

0.065" Wall, Nom., PVC

0.561+/- 0.028

Color(s) a) b) Print

BLACK

ALPHA WIRE-* P/N 18-1897 12C 16 AWG (1.32mm2)

(UL) TC-ER 90C WET/DRY 600V SUN RES OIL RES I OR MTW 16 AWG OR (UL) PLTC 90C OR CRU AWM I/II A/B 90C 600V FT4

CE ROHS (DATE CODE) (SEQ FOOTAGE)

90°C

* = Factory Code

B. Applicable Specifications

1) UL

TC

90°C Dry / 90°C Wet / 600 V_{RMS}

EXPOSED RUN SUN RES

PLTC

OIL RES I

MTW AWM I/II A/B 90°C Dry / 60°C Wet / 600 VRMS

90°C / 600 VRMS

3) CE:

FT4

EU Low Voltage Directive 2014/35/EU

Environmental Compliance

CSA International

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 and the amending Directive 2015/863/EU of 4 June 2015. No Exemptions are required for RoHS Compliance on this item. Consult Alpha Wire's web site for RoHS C of C.

REACH Regulation (EC 1907/2006):

This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.

3) California Proposition 65:

Exempt from warning labels based on the Consent Judgment. Please see Alpha's CA Prop 65 Statement for more information.

D. Physical & Mechanical Properties

1) Temperature Range

-25 to 90°C

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E.	2) Bend Radius 3) Pull Tension 4) Sunlight Resistance Electrical Properties 1) Voltage Rating 2) Capacitance 3) Ground Capacitance 4) Inductance 5) Conductor DCR 6) OA Shield DCR	10X Cable Diameter 265 Lbs, Maximum Yes (For Engineering purposes only) 600 V _{RMS} 49 pF/ft @1 kHz, Nominal Conductor to Conductor 88 pF/ft @1 kHz, Nominal 0.18 μH/ft, Nominal 4.1 Ω/1000ft @20°C, Nominal 3.7 Ω/1000ft @20°C, Nominal		
F.	Other 1) Packaging a) Bulk(Made-to-order) 2) Notes:	Flange x Traverse x Barrel (inches) W36-14: 36 x 14 x 12 Only		

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

a) Only use 36" spool per customer request.

Accepted By:	Date:
Jen V	2/28/19
Company:	Title:
FULL	Engineer IV

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