ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 669359 Issue:

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Construction

Component 1 4 X 1 PAIR Conductor 22 (19/34) AWG TC 0.032 Insulation 0.0095" Wall, Nom. Modified Polyphenylene Ether 0.051

(1) Color(s)

P	air	Color	Pair	Color	Pair	Color	39%
1		WHITE/BLACK WITH BLACK	3	WHITE/RED WITH RED		606	×, 300,
2		WHITE/BROWN WITH BROWN	4	WHITE/ORANGE WITH ORANGE			244.00 (20)

c) Pair 2/Cond Cabled Together (1) Twists: 12.0 Twists/foot (min) Cable Assembly 4 Components Cabled a) Twists: 5.3 Twists/foot (min)

Nonwoven Polyester Tape, 25% Overlap, Min. b) Core Wrap

Shield TC BRAID Shield,85% Coverage, Min.

0.035" Wall, Nom., MPPE Jacket a)

SLATE Color(s)

Jacket Separator Tissue Tape, 25% Overlap, Min. b)

ALPHA WIRE-* P/N 669359 4PR 22 AWG c) Print

ECOFLEX(TM) RU AWM 21819 105C 600V

VW-1 CLASS M C(RU) AWM I/II A/B FT1 600V 105C CE **ROHS** (SEQ METERS)

* = Factory Code

B. Applicable Specifications

AWM/STYLE 21819 UL 105°C / 600 V_{RMS} **CSA International** C(RU) AWM I/II A/B FT1 105C°C / 600V VRMS

EU Low Voltage Directive 2006/95/EC 3) CE:

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

Diameters (In)

0.305+/- 0.015

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

D. Physical & Mechanical Properties

Temperature Range -40 to 105°C(static), -5 to 105°C (dynamic)

Bend Radius 5X Cable Diameter(static), 5X Cable Diameter(dynamic) 2)

Pull Tension 54 Lbs, Maximum Copper Weight 35 Lbs/1000Ft 5) Cable Weight 65 Lbs/1000Ft

Electrical Properties (For Engineering purposes only)

Voltage Rating 600 VRMS

Mutual Capacitance 21.5 pf/ft @1 kHz, Nominal 2) **Ground Capacitance** 39 pf/ft @1 kHz, Nominal 3)

4) Characteristic Impedance 76 Ω

0.17 µH/ft, Nominal 5) Inductance

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6) Conductor DCR7) OA Shield DCR

15.7 Ω/1000ft @20°C, Nominal 3 Ω/1000ft @20°C, Nominal

F. Other

1) Packaging

Flange x Traverse x Barrel (inches)

a) Bulk(Made-to-order)

2) Notes:

a) Rated for 1,000,000 C-Track flex cycles at the bend radii listed above, or larger,

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

Accepted By:	Date:	
-VVV / //M	5/14/13	
Company: //	Title:	
Electroimpact Inc.	Elec. Eng.	
	-34 (A) COOK	30535

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