

ALPHA WIRE
CUSTOMER PRODUCT SPECIFICATION

Part Number: 77039
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Issue: 4
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A. Construction

		<u>Diameters (In)</u>			
1)	Component 1	3 X 1 COND			
a)	Conductor	14 (41/30) AWG TC			0.074
b)	Insulation	0.011" Wall, Nom. MPPE			0.096
	(1) Color Code	Alpha Wire Color Code E			
			Cond	Color	
			1	BLACK	2
				BROWN	3
					RED
2)	Cable Assembly	3 Components Cabled			
a)	Twists:	4.8 Twists/foot (min)			
b)	Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min.			
3)	Jacket	0.032" Wall, Nom.,MPPE			0.275 (0.286 Max.)
a)	Color(s)	SLATE			
b)	Ripcord	1 End 810 Denier Nylon			
c)	Print	ALPHA WIRE-* P/N 77039 3C 14 AWG ECOCABLE(TM) RU AWM 21510 105C 600V VW-1 C(RU) AWM I/II A/B FT1 600V 105C CE ROHS (SEQ FOOTAGE)			
		* = Factory Code			

B. Applicable Specifications

1)	UL	AWM/STYLE 11231	105°C / 600 V _{RMS}
	a)	Component 1	105°C / 600 V _{RMS}
	b)	Overall	VW-1
2)	CSA International	C(RU) AWM I/II A/B FT1	105°C / 600 V _{RMS}
3)	CE:	EU Low Voltage Directive 2006/95/EC	

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 RoHS C of C .
2)	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

1)	Temperature Range	-50 to 105°C
2)	Bend Radius	6X Cable Diameter
3)	Pull Tension	97 Lbs, Maximum

E. Electrical Properties

1)	Voltage Rating	600 V _{RMS}
2)	Capacitance	21 pf/ft @ 1 kHz, Nominal Conductor to Conductor
3)	Inductance	0.15 µH/ft, Nominal
4)	Conductor DCR	2.8 Ω/1000ft @ 20°C, Nominal

F. Other

1)	Packaging	Flange x Traverse x Barrel (inches)
	a)	1000 FT
	b)	100 FT

[Spool dimensions may vary slightly]

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