## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 78144 Page 1 of 2 Pages				Issue: 1 Issue Date: 7/12/2014 Effective Date: 9/6/2014
Α.			ction	Diameters (In)
	1)	a)	nponent 1 Conductor Insulation (1) Color Code	4 X 1 COND 20 (19/32) AWG Tinned Copper 0.040 0.007" Wall, Nom. Modified Polyphenylene Ether-PE 0.054 Alpha Wire Color Code D
			Cond Color 1 BLACK	Cond Color Cond Color   3 WHITE
			2 RED	4 GREEN
	2)	a)	le Assembly Twists:	4 Components Cabled 6.0 Twists/foot (min)
	3)	b) Shie	Core Wrap	Nonwoven Polyester Tape, 25% Overlap, Min. Alum/Mylar Tape, 25% Overlap, Min.
	3)		Foil Direction	Foil Facing In
		b)	Drain Wire	20 (7/28) AWG Tinned Copper
	4)	Jacl		0.015" Wall, Nom.,Modified Polyphenylene Ether-PE 0.169 (0.178 Max.)
			Color(s) Ripcord	SLATE 1 End 810 Denier Nylon
			Print	ALPHA WIRE-* P/N 78144 4C 20 AWG
				ECOCABLE(R) MINI RU AWM 21460 80C 300V VW-1
				C(RU) AWM I A/B FT1 80C 300V
				CE ROHS (SEQ FOOTAGE) * = Factory Code
В.	Ар	olica	ble Specifications	
	1)	UL		AWM/STYLE 21460 80°C / 300 V <sub>RMS</sub>
	2)	CS4	A International	VW-1 C(RU) AWM I A/B FT1 80°C / 300 V <sub>RMS</sub>
	3)	Oth		Halogen-Free
	4)	CE:		EU Low Voltage Directive 2006/95/EC
C.		viron CE:	mental Compliance	EU Directive 2011/65/EU(RoHS2):
	1)	UL.		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 <u>RoHS C of C</u> .
	2)	REA	ACH Regulation (EC 19	
				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 <u>Alpha's REACH SVHC Declaration</u> .
D.			I & Mechanical Prope	rties
	1) 2)		nperature Range d Radius	-40 to 80°C 10X Cable Diameter
	∠) 3)		Tension	47 Lbs, Maximum
Ε.	Ele	ctric	al Properties	(For Engineering purposes only)
	1)		age Rating	300 V <sub>RMS</sub>
	2) 3)		acitance und Capacitance	37 pf/ft @1 kHz, Nominal Conductor to Conductor 67 pf/ft @1 kHz, Nominal
	4)		ictance	$0.15 \mu$ H/ft, Nominal
	5)		ductor DCR	9.4 Ω/1000ft @20°C, Nominal
F.	6) <b>Oth</b>	-	Shield DCR	8.2 Ω/1000ft @20°C, Nominal
г.	1)		kaging	Flange x Traverse x Barrel (inches)
	,	a)	1000 FT	12 x 6 x 3.5 Continuous length
		b)	100 FT	6.5 x 2 x 1.9 Continuous length
				es every reasonable effort to ensure their accuracy at the time of publication, information and specifications sions and to changes without notice, and the listing of such information and specifications does not ensure
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use,	or ina	bility to	o use, the information or spec	ifications described herein.

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c) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

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