## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Pa	rt N	umb	er: 80041		Issue:	1					
Page 1 of 2 Pages					Issue Date: Effective Date:	3/24/2015 5/19/2015					
Α.	Со	nstru	uction			Diameters (In)					
	1)		mponent 1	2 X 1 COND							
		a)	Conductor Insulation	16 (65/34) AWG Tinned Copper		0.056 0.080					
		b)	(1) Print	0.012" Wall, Nom. MPPE ALPHANUMERIC NUMBERS -	1-ONE ALTERNATII						
				INVERTED							
			(2) Color Code	Alpha Wire Color Code KX							
			Cond Color 1 GREEN/YELLOW	Cond Color 2 BLACK#1	Cond Color						
	- 1	- ·	· · ·								
	2)		ble Assembly Twists:	2 Components Cabled 6.9 Twists/foot (min)							
			Core Wrap	Nonwoven Polyester Tape, 25%	Overlap, Min.						
	3)	Jac	ket	0.032" Wall, Nom., Polyurethane	, Zero Halogen (ZH)	0.228+/- 0.010					
		a) b)	Color(s) Print	SLATE ALPHA WIRE-* P/N 80041 2C 1	6 0.000						
		0)	1 mu	RU AWM STYLE 21959 90C 60		IL OR					
				CRU AWM I/II A/B 90C 600V FT		1/2					
				CE ROHS (SEQ FOOT * = Factory Code	AGE)						
в.	Ар	plica	ble Specifications								
	1)	UL	0		40500 / 000 \/						
		a) b)	Component 1 Overall	AWM/STYLE 11231 AWM/STYLE 21959	105°C / 600 V <sub>RMS</sub> 90°C / 600 V <sub>RMS</sub>						
		~)		60C OIL							
	0)	~~		SUN RES	0000 / 000 ) /						
	2)	US.	A International	C(RU) AWM I/II A/B FT2	90°C / 600 V <sub>RMS</sub>						
	3)	IEC									
			Component 1 Overall	EN 60228 Conductors, Class 6 EN 60754-1 Acid Gas Generatio							
		b)	Overall	EN 60754-1 Acid Gas Generatio							
				EN 60332-1 Flame Behavior							
	1)	CE		EN 60332-2 Flame Behavior EU Low Voltage Directive 2006/	05/50						
C.	4) En		Imental Compliance	EO LOW VOILage Directive 2000/	95/EC						
	1)	CE	-	EU Directive 2011/65/EU(RoHS							
				This product complies with Euro European Parliament and of the							
				required for RoHS Compliance of							
	for <u>RoHS C of C</u> .										
	<ol> <li>REACH Regulation (EC 1907/2006): This product does not contain Substances of Very High Concern (SVHC) listed or</li> </ol>										
	the European Union's REACH candidate list in excess of 0.1% mass of the item.										
~		!-	A Macharizal Da	up-to-date information, please se	ee <u>Alpha's REACH S</u>	SVHC Declaration.					
D.	Ph: 1)		al & Mechanical Propent nperature Range	-50 to 90°C(static), -40 to 80°C (	(dvnamic)						
	2)		nd Radius	4X Cable Diameter(static), 6X C	• •	mic)					
	3)		I Tension	41 Lbs, Maximum							
E.	4) Ele		nlight Resistance al Properties	Yes (For Engineering purposes only	)						
	1)		tage Rating	600 V <sub>RMS</sub>	/						
	2)		pacitance	19.3 pf/ft @1 kHz, Nominal Cor	nductor to Conductor						
	Although Alpha Wire Company ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications										
described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.											
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beer	been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the										
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3) Characteristic Impedance	75.0			

- Characteristic Impedance 75 Ω
- 4) Inductance 0.16 µH/ft, Nominal
- 5) Conductor DCR 4.4 Ω/1000ft @20°C, Nominal
- F. Other
  - 1) Packaging a) 100 FT
- Flange x Traverse x Barrel (inches) 6.5 x 4 x 2.5 Continuous length
- b) Bulk(Made-to-order)

[Spool dimensions may vary slightly]

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