ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

Part Number: 80027 Page 1 of 2 Pages				COSTOMER PRODUCT SPECIFICATION Issue: 1 Issue Date: 3/24/2015 Effective Date: 5/19/2015							
Α.	Со	nstruction							Diameters (In)		
	1)	Component 1 a) Conductor b) Insulation (1) Print		18 X 1 COND20 (26/34) AWG Tinned Copper0.0350.010" Wall, Nom. MPPE0.055ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND							
	(2) Color Code			INVERTED Alpha Wire Color Code KX							
		Cond 1	Color GREEN/YELLOW	Cond 7	Color BLACK#6		Cond 13	Color BLACK#12	2]	
		2	BLACK#1	8	BLACK#7 BLACK#8		14	BLACK#13 BLACK#14			
		3 4	BLACK#2 BLACK#3	10	BLACK#9		15 16	BLACK#15	5		
		5	BLACK#4 BLACK#5	11	BLACK#10 BLACK#11		17 18	BLACK#16 BLACK#17			
	2)	Cable Ass a) Twists		18 Components Cabled 3.7 Twists/foot (min)							
		b) Core		Nonwoven Polyester Tape, 25% Overlap, Min.							
	3)	Jacket	map	0.032" Wall, Nom.,Polyurethane, Zero Halogen (ZH) 0.344+/- 0.017							
	0)	a) Color	(s)	SLATE							
		b) Print	(0)	-	-* P/N 80027 18	C 20 AW	G				
	RU AWM STYLE 21959 90C 600V SI CRU AWM I/II A/B 90C 600V FT2 CE ROHS (SEQ FOOTAGE)										
				* = Factory C		,					
В.	Ap 1)	plicable Specifications		,							
	1)		oonent 1	AWM/STYLE	11231	105%	C / 600	Vene			
		b) Overa		AWM/STYLE 60C OIL			/ 600 \				
	2)	CSA Inter	national	SUN RES C(RU) AWM I FT2	/II A/B	90°C	/ 600 \	V _{RMS}			
	3)	IEC		112							
	0)		oonent 1	EN 60228 Co	nductors, Class	6					
	b) Overall EN 60754-1 Acid G										
		-,		EN 60754-2 A	60754-2 Acid Gas Generation						
				EN 60332-1 F	N 60332-1 Flame Behavior						
				EN 60332-2 F	lame Behavior						
	4)	CE:		EU Low Volta	ge Directive 200	6/95/EC					
С.	Env	vironmenta	al Compliance		-						
	1)	CE:		EU Directive 2011/65/EU(RoHS2):							
	This product complies with European Directive 2011/65/EU (RoHS Directive) 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										
						e on this	tem.	Consult	Alpha Wire's web s	site	
	for <u>RoHS C of C</u> . 2) REACH Regulation (EC 1907/2006):										
	2)	REAUH R	egulation (EC 190		loos not contain	Substan	nos of		h Concern (SVHC)	listed on	
				the European	Union's REACH	l candida	te list ir	n excess	of 0.1% mass of th		
D.	up-to-date information, please see <u>Alpha's REACH SVHC Declaration</u> . Physical & Mechanical Properties										
	1)	Temperature Range Bend Radius			atic), -40 to 80°	C (dvnam	ic)				
	2)			-50 to 90°C(static), -40 to 80°C (dynamic) 4X Cable Diameter(static), 6X Cable Diameter(dynamic)							
	3) Pull Tension 146 Lbs, Maximum				2 D		(,	- /			
	4) Sunlight Resistance Yes										
		-									
									on, information and spected and spectrations does not a compare the specifications does not a compare the specification of the specific		
prod	uct av	vailability.									
Alpha no ev been	a prov vent v nadvis	vides the inform will Alpha be lia sed of the poss	able for any damages (sibility of such damage	including consequents, whether in an active	tial, indirect, inciden on under contract, n	al, special,	ounitive,	or exempla	ether express, statutory ary) whatsoever, even if rising out of or in connec	Alpha has	
use, or inability to use, the information or specifications described herein.											

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E. F.	 Electrical Properties 1) Voltage Rating 2) Capacitance 3) Inductance 4) Conductor DCR Other 	(For Engineering purposes only) 600 V_{RMS} 17.6 pf/ft @1 kHz, Nominal Conductor to Conductor 0.17 µH/ft, Nominal 11.2 Ω /1000ft @20°C, Nominal		
	 Packaging a) 100 FT b) Bulk(Made-to-order) 	Flange x Traverse x Barrel (inches) 12 x 10 x 5 Continuous length [Spool dimensions may vary slightly]		

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