## **ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION**

Part Number: SF61222CY Page 1 of 2 Pages				Issue: 3 Issue Date: 10/13/2011 Effective Date: 11/4/2011				
Α.	Со	nstru	uction					Diameters (In)
	1)	Cor a) b)	mponent 1 Conductor Insulation (1) Print (2) Color Code	4 X 1 COND 12 (65/30) AWG TC 0.093 0.016" Wall, Nom. PVC/ 0.005" Wall NYLON 0.135 ALPHANUMERIC NUMBERS - 1-ONE ALTERNATING AND INVERTED Alpha Wire Color Code KX				
			· · ·					
			Cond         Color           1         GREEN/YELLOW           2         BLACK#1	Cond         Color           3         BLACK#2           4         BLACK#3		Cond	Color	
	2)	Cor a) b)	mponent 2 Conductor Insulation (1) Color Code	2 X 1 PAIR 16 (26/30) AWG TC 0.016" Wall, Nom. PVC/ 0 Alpha Wire Color Code A	.005" Wall N	YLON		0.060 0.102
			Pair Color 1 BLACK-RED	Pair Color 2 BLACK-WHITE		Pair	Color	
	3) 4) 5)	lndi d) e) Cal a) b) Shi a) b) Jac	Drain Wire Braid ket Color(s)	(DATE CODE) (SEQ FC * = Factory Code	Overlap, Min ap, Min. , Min. 222CY E324185 (L R 90C 600V FROL/TC 90 XXXXXX CS, ROHS 90TAGE)	il) WTT 7 oil Re 10 pvC/ 14 awm	es I/II ( Nylo I/II A/E	SUN N INS 3
в.	Applicable Specifications 1) UL			[Note: Product may have c(U	L) or CSA mai	kings de	pending	g upon plant of manufacture.]
	- /	a) b) c)	Component 1 Component 2 Overall	THHN TFFN TC EXPOSED RUN OIL RES I/II SUN RES WTTC	90°C 90°C	: / 600 \ : / 600 \ : / 600 \ : / 600 \	/ <sub>RMS</sub> / <sub>RMS</sub>	

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	2)	CSA International	AWM I/II A/B FT4	90°C / 600 V <sub>RMS</sub>			
			C(UL) CIC CONTROL C(UL) TC	90°C / 600 V <sub>RMS</sub> 90°C / 600 V <sub>RMS</sub>			
		CE:	LVD 73/23/EEC Amendment 93	3/68/EEC			
C.		vironmental Compliance					
	1)	EU Directive 2002/95/EC(Ro					
				the restriction of use ectronic equipment. C			
			compliance Date of Manufactur				
	2)	California Proposition 65:	The outer surface materials use requirements of California Prop		of this part meet the		
D.	Phy	ysical & Mechanical Propert	ties				
		Temperature Range	-25 to 90°C(static), -5 to 90°C (	dynamic)			
	2)	Bend Radius	10X Cable Diameter				
	3)	Pull Tension	323 Lbs, Maximum				
	4)		Yes				
Ε.		ctrical Properties	(For Engineering purposes on	y)			
		Voltage Rating	600 V <sub>RMS</sub>				
	2)	Component 1					
		a) Capacitance	60 pf/ft @1 kHz, Nominal		tor		
		b) Ground Capacitance	108 pf/ft @1 kHz, Nomina	I			
		c) Inductance	0.16 µH/ft, Nominal				
	2)	d) Conductor DCR	1.8 Ω/1000ft @20°C, Non	ninai			
	3)	Component 2					
		a) Mutual Capacitance	53 pf/ft @1 kHz, Nominal				
		<ul><li>b) Ground Capacitance</li><li>c) Characteristic Impedance</li></ul>	95 pf/ft @1 kHz, Nominal ce 41 Ω				
		<ul> <li>c) Characteristic Impedant</li> <li>d) Inductance</li> </ul>	0.18 µH/ft, Nominal				
		e) Conductor DCR	4.6 Ω/1000ft @20°C, Nor	ninal			
		f) Component Shield DCF					
	4)	<u> </u>	1.23 Ω/1000ft @20°C, No				
F.	Oth		1.20 32 100011 @20 0, 110				
••	1)	Packaging	Flange x Traverse x Barrel (inc	hes)			
	•,	a) 1000 FT	36 x 14 x 12 Continuous lengt				
		b) 500 FT	24 x 14 x 12 Continuous lengt				
		c) 100 FT	16 x 11 x 8 Continuous length				
		,	[Spool dimensions may vary slight]	y]			
	2)	Notes:					
		a) Suitable for use in Industrial Machinery per the requirements of NFPA-79					

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