## **ALPHA WIRE COMPANY CUSTOMER PRODUCT SPECIFICATION**

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Α.	Со	nstr	ruction					Diameters	
	1)	Со	mponent 1	1 X 1 PAIR					
		a)	Conductor	24 (7/32) AWG TC					
		b)		0.010" Wall, Nom. PVC, Sei	mi Rigio	b		0.044	
			(1) Color Code	Alpha Wire Color Code B					
			Pair Color 1 WHITE-BLACK	Pair Color		Pair	Color		
		c)	Pair	2/Cond Cabled Together					
	•	~	(1) Twists:	9.6 Twists/foot (min)					
	2)	CO	re wrap	0.0010" Clear Mylar Tape, 2	25% OV	erlap,	Min.		
	3)	2) 2)	Drain Wire	A/P/A Tape, 25% Ovenap, 1 24 (7/32) AWG TC	VIIII.				
		a) h)	Braid	TC 70% Coverage Min					
	4)	Jac	:ket	0.032" Wall Nom PVC				0 183 (0 193	Max )
	.,	a)	Color(s)	Grav. Black					
		b)	Ripcord	1 End 810 Denier Nylon					
		c)	Print	ALPHA WIRE-* P/N 5271C	1PR 24	4 AWG			
				XTRA GUARD 1 SHIELDED 75C (UL) TYPE CM OR AWM 2464					
				LLXXXXXX CSA TYPE (	CMG F	Г4	CE	ROHS	
				* = Factory Code	<u> </u>	linan da	nondin	a upon plant of manufa	oturo 1
в.	Inc	lust	ry Approvals	[Note: Froduct may have c(OL) of	USA mai	kings de	penuin	ig upon plant of manula	ciure.j
2.	1)	UL	y reprievale						
	,	a)	Component 1	AWM/STYLE10002	105°	°C / 30	0V		
		b)	Overall	AWM/STYLE2464	80°C	C / 300	V		
				СМ	75°C	)			
	•	~~	<b>.</b>	VW-1					
	2)	CS	A International		60°C	;			
	F = 14								
All materials used in the manufacture of thi							nis na	rt are in complianc	e with FU
				Directive 2002/95/EU regard	dina the	e restric	ction of	of use of certain ha	zardous
				substances in electrical and	electro	nic eq	uipme	ent. Consult Alpha	Wire's
				web site for compliance Dat	e of Ma	anufact	ure.	·	
	4)	Са	lifornia Proposition 65:	The outer surface materials	used ir	n the m	anufa	acture of this part m	neet the
		~-		equirements of California Proposition 65.					
~	5) Dh	CE	: al 9 Machanical Dron	LVD 73/23/EEC Amendment 93/68/EEC					
υ.	<b>PN</b>	ysic To	morature Pange	$20 \text{ to } 80^{\circ}\text{C}$					
	2)	Rei	nd Radius	10X Cable Diameter					
	$\frac{2}{3}$	Pul	Il Tension	12.5 Lbs. Maximum					
D.	Ēle	ctri	cal Properties	(For Engineering purposes	onlv)				
	1)	Vo	Itage Rating	300 V <sub>RMS</sub>	- ,,				
	2)	Mu	tual Capacitance	35 pf/ft @1 kHz, Nominal					
	3)	Gro	ound Capacitance	63 pf/ft @1 kHz, Nominal					
	4)	Ch	aracteristic Impedance	54 Ω					
	5)	Ind	uctance	0.19 µH/ft, Nominal	-1				
	6)	Co	nductor DCR	25 Ω/1000tt @20°C, Nomir	al				
Alth	ough	Alph	a Wire Company ("Alpha") n	nakes every reasonable effort to ens	ure their	accurac	y at the	e time of this publication	, informatio
and	spec	cificat	ions described herein are su	bject to error or omission and to cha allability	nge with	out notic	e, and	the listing of such inform	mation and
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7) OA Shield DCR

6.6 Ω/1000ft @20°C, Nominal

E. Other

- 1) Packaging
  - a) 1000 FT
  - b) 500 FT
  - c) 100 FT

  - d) Bulk(Made-to-order)

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