## **ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION**

Part Number: 669333 Page 1 of 2 Pages				Issue: 5 Issue Date: 7/7/2014 Effective Date: 7/9/2014		
Α.	Cor	nstruction				Diameters (In)
	1)	Component		1 X 2 PAIR		
		a) Condu		24 (7/32) AWG BC		0.024
		b) Insulati		0.011" Wall, Nom. Polypi	opylene(PP)	0.045
		(1) Co	olor(s)			
		Pair	Color BLU - WHT/BLU	Pair Color	Pair Color	
		1	BLU - WHI/BLU	2 ORG - WHT/OR	6	
		c) Pair		2/Cond Cabled Together		
		(1) La	y Length:	BLU – WHT/BLU: 0.415"		
				ORG – WHT/ORG: 0.549	9" LH Lay	
		d) Cabling		2 PAIR Cabled		
		(1) Tw	/ists:	4.0 Twists/foot (min)		0.000 (0.010 March)
		e) Jacket		0.020" Wall, Nom.,PVC		0.200 (0.210 Max.)
	2)	(1) Co Shield:	olor(s)	BLACK	worlon Min	
	2)	a) Foil Dir	oction	Alum/Mylar Tape, 25% C Foil Facing Out	wenap, win.	
		b) Braid	ection	TC,90% Coverage, Min.		
	3)	Jacket		0.033" Wall, Nom.,TPE		0.310 (0.320 Max.)
	0)	a) Color(s	.)	BLACK		0.010 (0.020 Max.)
		b) Print	)	ALPHA WIRE-* P/N 6693	333 2PR 24 AWG	
		2) 1111		RU AWM 20626 80C 300		
				ROHS (SEQUENTIA		
				* = Factory Code	,	
В.	Арр	olicable Spe	cifications	-		
	1)	UL				
		a) Compo		AWM/STYLE 10152	80°C / 300 V <sub>RMS</sub>	
		b) Overall		AWM/STYLE 20626	80°C / 300 V <sub>RMS</sub>	
~		TIA	<b>o</b>	TIA-568-C.2 Category 5e	)	
C.			Compliance			
	1)	CE:		EU Directive 2011/65/EU		n of this part must most the
						g of this part must meet the jarding the restriction of use o
					inces in electrical and elect	
	2)	REACH Re	gulation (EC 19			
	-)				ntain any of the substances	listed in the latest issue
						Concern (SVHC) candidate lis
				in excess of 0.1% mass of		
D.	Phy	/sical & Mec	hanical Prope	rties		
	1)	Temperatur	e Range	-50 to 105°C		
	2)	Bend Radiu		8X Cable Diameter		
	3)	Pull Tensio		20.7 Lbs, Maximum		
Ε.		ctrical Prop		(For Engineering purpos	es only)	
	1)	Voltage Rat		300 V <sub>RMS</sub>		
	2)		tic Impedance	100 Ω +/- 15		
	3)	Mutual Cap		5.6 nF/100m Max		
	4) 5)	Velocity of I Conductor I		70 % Nom. 9.38 Ω/100m Max		
	5) 6)	Skew	JUK	9.38 Ω/100m Max 45 ns/100m Max		
	6) 7)		und Unbalance	330 pF/100m Max		
	7) 8)	Transfer Im		100 mΩ/m Max		
	9)		nce of a Pair	5% Max		
		Insertion Lo		2.4 (Max dB/100m ) @ 1	MHz	
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		5 7/7/2014 7/9/2014	
4.9 (Max dB/100m) @ 4 MHz			
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	<b>1</b> 7		
( ) <b>S</b>			
26.4 (Max dB/100m) @ 100 MHz	<u></u>		
<b>e</b>	S)		
16 x 11 x 8 Continuous length			
16 x 11 x 8 Continuous length, 40	00 ft. Min, 1200 ft. M	Max	
	6.9 (Max dB/100m ) @ 8 MHz 7.8 (Max dB/100m ) @ 10 MHz 9.9 (Max dB/100m ) @ 16 MHz 11.1 (Max dB/100m ) @ 20 MHz 12.5 (Max dB/100m ) @ 25 MHz 14.1 (Max dB/100m ) @ 31.25 MI 20.4 (Max dB/100m ) @ 62.5 MH 26.4 (Max dB/100m ) @ 100 MHz Flange x Traverse x Barrel (inches 16 x 11 x 8 Continuous length	6.9 (Max dB/100m ) @ 8 MHz 7.8 (Max dB/100m ) @ 10 MHz 9.9 (Max dB/100m ) @ 16 MHz 11.1 (Max dB/100m ) @ 20 MHz 12.5 (Max dB/100m ) @ 25 MHz 14.1 (Max dB/100m ) @ 31.25 MHz 20.4 (Max dB/100m ) @ 62.5 MHz 26.4 (Max dB/100m ) @ 100 MHz Flange x Traverse x Barrel (inches) 16 x 11 x 8 Continuous length	6.9 (Max dB/100m ) @ 8 MHz 7.8 (Max dB/100m ) @ 10 MHz 9.9 (Max dB/100m ) @ 16 MHz 11.1 (Max dB/100m ) @ 20 MHz 12.5 (Max dB/100m ) @ 25 MHz 14.1 (Max dB/100m ) @ 31.25 MHz 20.4 (Max dB/100m ) @ 62.5 MHz 26.4 (Max dB/100m ) @ 100 MHz Flange x Traverse x Barrel (inches)

This Design is custom, Made-To-Order & once accepted, the order is NON-CANCELLABLE & NON-RETURNABLE.

Accepted By:	Date:
Company:	Title:

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