## ALPHA WIRE CUSTOMER PRODUCT SPECIFICATION

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Α.	<b>Co</b> 1)		nction nponent 1 Conductor Insulation (1) Color(s)	4 X 1 COND 14 (41/30) AWG BC 0.016" Wall, Nom. PVC/ 0.0	005" Wall N	YLON		<u>Diameters (In)</u> 0.074 0.116	
			Cond Color 1 RED	Cond Color 3 BLUE		Cond	Color		
	2)	Cor a) b)	nponent 2 Conductor Insulation (1) Color(s)	4 GREEN 2 X 1 PAIR 18 (16/30) AWG BC 0.016" Wall, Nom. PVC/ 0.1	005" Wall N	YLON	1	0.047 0.089	
			Pair Color 1 BLACK-ORANGE	Pair Color 2 BLACK/WHITE-OR	ANGE/BLACK	Pair	Color		
	3) 4) 5)	Indi d) Cab a) b) Shia a) b) Jac a)	Drain Wire Braid	2/Cond Cabled Together 4.4 Twists/foot (min) Foil Free Alum/Mylar Tape Foil Facing In 18 (16/30) AWG TC 6 Components Cabled 2.2 Twists/foot (min) Clear Mylar Tape, 25% Ov A/P/A Tape, 25% Overlap, 16 (26/30) AWG TC TC,70% Coverage, Min. 0.065" Wall, Nom.,PVC BLACK ALPHA WIRE-* P/N 51807 4C 14 AWG 2PR 18 AWG 600V LLXXXXXX CSA * = Factory Code [Note: Product may have c(UL	erlap, Min. Min. 9 (UL) TYPE AWM I/II A/	TC 90C B 90C 6	DRY 600V F	Τ4	
В.	<b>Ap</b> 1)	plica UL	ble Specifications	TC				/et / 600 V <sub>RMS</sub>	
	2)		A International	AWM I/II A/B		C / 600 V			
C.	<b>Env</b> 1)		mental Compliance Directive 2002/95/EC	All materials used in the ma Directive 2002/95/EU rega	ding the rea	striction	of use		
D.	Phy	ysica	I & Mechanical Prop		delectronic	equipm	ent.		
	1) 2) 3)	Ben	nperature Range Id Radius Tension	-25 to 90°C 10X Cable Diameter 234 Lbs, Maximum					
E.		Volt Cor	al Properties age Rating nponent 1	(For Engineering purposes 600 V <sub>RMS</sub>	• •				
		a) b)	Capacitance Ground Capacitance	53 pf/ft @1 kHz, Nom 95 pf/ft @1 kHz, Nom		ctor to C	onduc	tor	
desci produ Alpha no ev been	ribed uct av a prov vent v advis	herein vailabil vides t vill Alp sed of	are subject to errors or omi ity. he information and specifica ha be liable for any damage the possibility of such dama	kes every reasonable effort to ensure th ssions and to changes without notice, a tions herein on an "AS IS" basis, with no s (including consequential, indirect, inci ges, whether in an action under contrac cifications described herein.	nd the listing of representatio dental, special,	f such info ns or warra punitive, c	rmation anties, w or exemp	and specifications does not er whether express, statutory or in plary) whatsoever, even if Alpl	nsure mplied. In na has

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Part Number: 518079 Page 2 of 2 Pages					Issue: Issue Date: Effective Date:	1 11/1/2010 11/2/2010	
	3)	c) d) e) Col	Inductance Conductor DCR OA Shield DCR mponent 2	0.17 μH/ft, Nominal 2.6 Ω/1000ft @20°C, Nomi 1.33 Ω/1000ft @20°C, Non			
	,	a) b) c) d) e) f) g)	Mutual Capacitance Ground Capacitance Characteristic Impedance Inductance Conductor DCR Component Shield DCR OA Shield DCR	46 pf/ft @1 kHz, Nominal 83 pf/ft @1 kHz, Nominal e 47 Ω 0.19 μH/ft, Nominal 6.8 Ω/1000ft @20°C, Nomi 6.2 Ω/1000ft @20°C, Nomi 1.33 Ω/1000ft @20°C, Nomi	nal		
F.		ther					
	1) Packaging Flange x Traverse x Barrel (inches)						

a) Bulk(Made-to-order)

## 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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