



Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207
Tel: 1-800-52 ALPHA (25742), Web: www.alphawire.com

Customer Specification

PART NO. 9213

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		13 (7/.0296) AWG BC			
b) Insulation		0.098" Wall, Nom. Polyethylene(PE)		0.285	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
2) Shield		BC BRAID Shield,96% Coverage, Min.			
3) Jacket		0.045" Wall, Nom.,Type IIA PVC		0.405+/- 0.010	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9213 RG 213/U TYPE ROHS * = Factory Code			

Applicable Specifications

1) Military	MIL-C-17D/74A RG-213/U Type	80deg;C / 3700 V _{RMS}
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Environmental

1) EU Directive 2002/95/EC(RoHS):	
	All materials used in the manufacture of this part are in compliance with EU Directive 2002/95/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for compliance Date of Manufacture.
2) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.

Properties

Physical & Mechanical Properties	
1) Temperature Range	-15 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	64 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	3700 V _{RMS}
2) Characteristic Impedance	50 +/- 2
3) Ground Capacitance	30.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	1.7 /1000ft @20°C, Nominal
6) OA Shield DCR	1.2 /1000ft @20°C, Nominal
7) Voltage Withstanding	10 kV, Minimum
8) Corona Extinction	5 kV, Minimum
9) Attenuation, Max dB/100ft	2.3 @ 100 MHz
	9.2 @ 3 GHz

Other

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

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