

Customer Specification

PART NO. 9213

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		13 (7.0296) AWG BC		0.089	
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	80°C / 3700 V _{RMS}
-------------	-----------------------------	------------------------------

Environmental

1) EU Directive 2011/65/EU(RoHS2):	
	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain hazardous substances in electrical and electronic equipment. Consult Alpha Wire's web site for RoHS C of C.
2) REACH Regulation (EC 1907/2006):	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item. For up-to-date information, please see Alpha's REACH SVHC Declaration.
3) 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 Ω +/- 2
3) Ground Capacitance	30.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	1.7 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	1.2 Ω/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

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	20 x 11 x 8 Continuous length
b) 500 FT	16 x 11 x 8 Continuous length
c) 100 FT	12 x 10 x 5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure their accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY

Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. ©2013 ALPHA WIRE - all rights reserved.