



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

# Customer Specification

## PART NO. 9105

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		14 (SOLID) AWG BC			
b) Insulation		0.105" Wall, Nom. Foam FEP Teflon		0.274	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
2) Shield:		A/P/A Tape, 25% Overlap, Min.			
a) Braid		TC,60% Coverage, Min.			
3) Jacket		0.019" Wall, Nom.,Teflon(FEP)		0.346 (0.352 Max.)	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9105 RG11/U TYPE 1C 14 AWG 200C (UL) CMP OR CATVP OR C(UL) CMP ROHS * = Factory Code			

### Applicable Specifications

1) UL	CMP	200&deg;C
	CL2P	
	CATVP	200&deg;C
2) CSA International	C(UL) TYPE CMP	200&deg;C
	FT6	

### 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	-70 to 200&deg;C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	39 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Characteristic Impedance	75 +/- 3
3) Ground Capacitance	16.3 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	83 %
5) Conductor DCR	2.52 /1000ft @20&deg;C, Nominal
6) OA Shield DCR	3.2 /1000ft @20&deg;C, Nominal
7) SRL	23 db, Minimum
8) Attenuation, Max dB/100ft	0.2 @ 1 MHz
	0.4 @ 10 MHz
	1 @ 50 MHz
	1.5 @ 100 MHz
	2.2 @ 200 MHz
	3.3 @ 400 MHz
	4.5 @ 700 MHz
	5.2 @ 900 MHz
	5.5 @ 1 GHz

## Other

1) Packaging	
a) 1000 FT	
b) 500 FT	

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## RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:9105

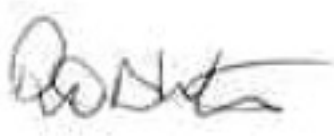
9105 , RoHS-Compliant Commencing With 11/1/2004 Production

*This document certifies that the Alpha part numbers cited above are manufactured in accordance with Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003, better known as the RoHS Directives, with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. The reader is referred to these Directives for the specific definitions and extents of these Directives. **No Exemptions are required for RoHS Compliance on this item.***

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE)	0.1% by weight (1000 ppm)
Including Deca-BDE	0.1% by weight (1000 ppm)

*The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.*

Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA

11/2/2012

# Mouser Electronics

Authorized Distributor

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