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

Customer Specification

PART NO. 9223

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		19 (1/.035) AWG SPC		0.035	
b) Insulation		0.0405" Wall, Nom. Polyethylene(PE)		0.116	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
Individually Applied:					
c) Shield		SPC BRAID Shield,95% Coverage, Min.			
2) Shield		SPC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.026" Wall, Nom.,Type IIA PVC		0.212+/- 0.004	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9223 RG 223/U EXXXXXX 60C 1C19 SHIELDED (UL) CMX OR AWM 1354 OR C(UL) CMX ROHS * = Factory Code *[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]*			

Applicable Specifications

1) UL	CMX	60°C
	AWM/STYLE 1354	60°C / 30 V_{RMS}
2) CSA International	C(UL) TYPE CMX	60°C
3) Military	MIL-C-17D/167 RG223/U	75°C / 1400 V_{RMS}

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	-40 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	18.9 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	1400 V_{RMS}
2) Characteristic Impedance	50 +/- 2
3) Inductance	0.077 µH/ft, Nominal
4) Ground Capacitance	30.8 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	66 %
6) Conductor DCR	8.8 /1000ft @20°C, Nominal
7) OA Shield DCR	2.5 /1000ft @20°C, Nominal
8) Voltage Withstanding	5000 kV, Minimum
9) Corona Extinction	1900 kV, Minimum
10) Attenuation, Nom dB/100ft	0.4 @ 1 MHz
	1.2 @ 10 MHz
	2.8 @ 50 MHz
	4.1 @ 100 MHz
	6 @ 200 MHz
	8.8 @ 400 MHz
	12 @ 700 MHz
	13.8 @ 900 MHz
	14.5 @ 1 GHz

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10 x 5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
	[Spool dimensions may vary slightly]

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:9223

9223, RoHS-Compliant Commencing With8/1/2005Production

This document certifies that the Alpha part numbers cited above are manufactured in accordancewith 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 hazardoussubstances used in the manufacture of electrical and electronic equipment. The reader is referredto these Directives for the specific definitions and extents of these Directives. ***No Exemptions arerequired 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) 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'sknowledge, information and belief at the date of its release. The information provided is designedonly as a general guide for the safe handling, storage, and any other operation of the productitself or the one that it will become part of. The intent of this document is not to be considered awarranty or quality specification. Regulatory information is for guidance purposes only. Productusers are responsible for determining the applicability of legislation and regulations based ontheir 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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Alpha Wire:
9223 BK001