

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 CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

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}

4) CE:	EU Low Voltage Directive 2006/95/EC
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Environmental

1) CE: EU Directive 2011/65/EU(RoHS2):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011. No Exemptions are required for RoHS Compliance on this item. 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	-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 Ω +/- 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 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	2.5 Ω/1000ft @20°C, Nominal
8) Voltage Withstanding	5000 kV, Minimum
9) Corona Extinction	1900 kV, Minimum
10) Attenuation, Max 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
	<i>[Spool dimensions may vary slightly]</i>

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