

Customer Specification

PART NO. M4201

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		13 (7/21) AWG BC		0.086	
b) Insulation		0.0995" Wall, Nom. Polyethylene(PE)		0.285	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	CLEAR				
2) Shield		BC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.044" Wall, Nom.,Type IIA PVC		0.405+/- 0.007	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N M4201 RG-8A/U TYPE EXXXXX 60C 1C13 SHIELDED CMX (UL) C(UL) OR AWM 1354 * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]			

Applicable Specifications

1) UL	AWM/STYLE 1354	60°C / 30 V _{RMS}
	CMX	60°C
2) CSA International	C(UL) TYPE CMX	60°C
3) Military	MIL-C-17D/3A RG-8A/U	60°C / 3700 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 60°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	61 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	3700 V _{RMS}
2) Characteristic Impedance	52 +/- 2
3) Inductance	0.079 µH/ft, Nominal
4) Ground Capacitance	28.5 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	66 %
6) Conductor DCR	1.9 /1000ft @20°C, Nominal
7) OA Shield DCR	1.2 /1000ft @20°C, Nominal
8) Voltage Withstanding	10 kV, Minimum
9) Corona Extinction	5 kV, Minimum
10) Attenuation, Nom dB/100ft	0.2 @ 1 MHz
	0.6 @ 10 MHz
	1.3 @ 50 MHz
	1.9 @ 100 MHz
	2.8 @ 200 MHz
	4.2 @ 400 MHz
	5.9 @ 700 MHz
	6.9 @ 900 MHz
	7.4 @ 1 GHz

Other

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

www.alphawire.com

Alpha Wire | 711 Lidgerwood Avenue, Elizabeth, NJ 07207

Tel: 1-800-52 ALPHA (25742)

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RoHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number:M4201

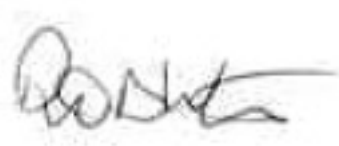
M4201 , RoHS-Compliant Commencing With2/1/2006Production

*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 hazardousubstances 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)	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)

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Authorized Signatory for the Alpha Wire Company:



Dave Watson, Director of Engineering & QA

11/2/2012

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