

# Customer Specification

## PART NO. M4208

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		14 (SOLID) AWG BC		0.064	
b) Insulation		0.1105" Wall, Nom. Polyethylene, Foam		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.,Polyethylene (PE)		0.405+/- 0.007	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N M4208 RG 11A/U TYPE CE ROHS * = Factory Code			

### Applicable Specifications

1) Military	MIL-C-17/RG 11A/U Type	80°C / 300 V <sub>RMS</sub>
2) CE:	EU Low Voltage Directive 2006/95/EC	

### 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 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	48 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Characteristic Impedance	75 Ω +/- 3
3) Inductance	0.097 μH/ft, Nominal
4) Ground Capacitance	16.1 pf/ft @1 kHz, Nominal
5) Velocity of Propagation	84 %
6) Conductor DCR	1.21 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	1.1 Ω/1000ft @20°C, Nominal
8) Attenuation, Nom dB/100ft	0.2 @ 1 MHz
	0.4 @ 10 MHz
	0.9 @ 50 MHz
	1.3 @ 100 MHz
	1.9 @ 200 MHz
	2.9 @ 400 MHz
	4.1 @ 700 MHz
	4.8 @ 900 MHz
	5.2 @ 1 GHz

## Other

Packaging	Flange x Traverse x Barrel (inches)
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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>

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