

Customer Specification

PART NO. 9055B

Construction

		Diameters (In)			
1) Component 1		1 X 1 COAX			
a) Conductor		20 (SOLID) AWG SPC		0.032	
b) Insulation		0.042" Wall, Nom. Polyethylene(PE)		0.116	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	CLEAR				
c) Cabling		1 COAX Cabled			
d) Shield		TC BRAID Shield,95% Coverage, Min.			
2) Shield		TC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.020" Wall, Nom.,Polyethylene (PE)		0.201+/- 0.005	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9055B RG 55B/U ROHS * = Factory Code			

Applicable Specifications

1) Military	MIL-C-17D/26A RG 55B/U	
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Environmental

1) EU Directive 2011/65/EU(RoHS2):	All materials used in the manufacture of this part are in compliance with European Directive 2011/65/EU regarding the restriction of use of certain
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	hazardous substances in electrical and electronic equipment. 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	-55 to 80°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	17.3 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	1400 V _{RMS}
2) Characteristic Impedance	53.5 Ω +/- 2.5
3) Ground Capacitance	28.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	10.1 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	2.5 Ω/1000ft @20°C, Nominal
7) Voltage Withstanding	5 kV, Minimum
8) Corona Extinction	1.9 kV, Minimum
9) Attenuation, Max dB/100ft	4.2 @ 100 MHz
	11.7 @ 400 MHz
	16 @ 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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