



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

# Customer Specification

## PART NO. 9058

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		20 (SOLID) AWG BC			
b) Insulation		0.042" Wall, Nom. Polyethylene(PE)		0.116	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	CLEAR				
2) Shield		TC BRAID Shield,80% Coverage, Min.			
3) Jacket		0.028" Wall, Nom.,Type I PVC		0.195+/- 0.004	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9058 RG 58/U RU AWM STYLE 1354 ROHS * = Factory Code			

### Applicable Specifications

1) UL	AWM/STYLE 1354	60&deg;C / 30 V <sub>RMS</sub>
2) Military	JAN-C-17A / RG-58/U	

### 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	-20 to 60&deg;C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	11.3 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	1400 V <sub>RMS</sub>
2) Characteristic Impedance	53 +/- 2
3) Ground Capacitance	28.8 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	66 %
5) Conductor DCR	10.1 /1000ft @20&deg;C, Nominal
6) OA Shield DCR	6.3 /1000ft @20&deg;C, Nominal
7) Voltage Withstanding	5 kV, Minimum
8) Corona Extinction	1.9 kV, Minimum
9) Attenuation, Max dB/100ft	3.4 @ 50 MHz
	11.7 @ 400 MHz
	18.7 @ 1 GHz

## Other

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

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