

Customer Specification

PART NO. 9058

Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		20 (SOLID) AWG BC		0.032	
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 CE ROHS * = Factory Code			

Applicable Specifications

1) UL	AWM/STYLE 1354	60°C / 30 V _{RMS}
2) Military	JAN-C-17A / RG-58/U	
3) 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	-20 to 60°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 _{RMS}
2) Characteristic Impedance	53 Ω +/- 2
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	6.3 Ω/1000ft @20°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

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 6 x 3.5 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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