

# Customer Specification

## PART NO. 9848

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		18 (SOLID) AWG BC		0.040	
b) Insulation		0.038" Wall, Nom. Polyethylene, Foam		0.116	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
2) Shield		TC BRAID Shield,95% 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 9848 RG 58/U RU AWM STYLE 1354 CE ROHS * = Factory Code			

### Applicable Specifications

1) UL	AWM/STYLE 1354	60°C / 30 V <sub>RMS</sub>
2) Military	MIL-C-17/RG 58/U TYPE	
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	17.4 Lbs, Maximum
Electrical Properties (For Engineering purposes only)	
1) Voltage Rating	300 V <sub>RMS</sub>
2) Characteristic Impedance	50 Ω +/- 3
3) Ground Capacitance	26 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	78 %
5) Conductor DCR	6.4 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	4.5 Ω/1000ft @20°C, Nominal
7) Attenuation, Max dB/100ft	15 @ 500 MHz
	20.7 @ 1 GHz

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 6 x 3.5 Continuous length
b) BOX 1000FT	11-3/4 EASY REEL: Continuous length
c) 500 FT	12 x 4.5 x 3.5 Continuous length
d) 100 FT	6.5 x 4 x 2.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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