

# Customer Specification

## PART NO. 9158S

### Construction

		Diameters (In)			
1) Component 1		1 X 1 COAX			
a) Conductor		20 (SOLID) AWG BC		0.032	
b) Insulation		0.0375" Wall, Nom. FEP		0.107	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	NATURAL				
2) Shield		TC BRAID Shield,95% Coverage, Min.			
3) Jacket		0.015" Wall, Nom.,FEP		0.159 (0.165 Max.)	
a) Color(s)		BLACK			
b) Print		ALPHA WIRE-* P/N 9158S RG 58 TYPE 20 AWG SHIELDED 200C (UL) TYPE CL2P OR C(UL) CMP FT6 -- CE ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

### Applicable Specifications

1) UL	CL2P	200°C
2) CSA International	CMP	200°C
	FT6	
3) Military	MIL-C-17/RG 58/U TYPE	
4) 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	-70 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	12.7 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	30 pf/ft @1 kHz, Nominal
4) Velocity of Propagation	70 %
5) Conductor DCR	10.1 Ω/1000ft @20°C, Nominal
6) OA Shield DCR	4.1 Ω/1000ft @20°C, Nominal
7) Voltage Withstanding	3 kV, Minimum
8) Attenuation, Max dB/100ft	4.9 @ 100 MHz
	18 @ 900 MHz

# Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 1600 FT	12 x 10 x 5 Continuous length
b) 1000 FT	12 x 4.5 x 3.5 Continuous length

c) 500 FT	12 x 4.5 x 3.5 Continuous length
	<i>[Spool dimensions may vary slightly]</i>
<b>Notes:</b>	
a) The 1600 ft. Put-up is available by special order only.	

[www.alphawire.com](http://www.alphawire.com)

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