

# Customer Specification

## PART NO. 9851

### Construction

				Diameters (In)	
1) Component 1		1 X 1 COAX			
a) Conductor		30 (7/38) AWG Silver Plated Copper Non-Magnetic		0.0120	
b) Insulation		0.0105" Wall, Nom. FEP		0.0330	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	CLEAR				
2) Shield		Non-Magnetic Silver Plated Copper BRAID Shield,95% Coverage, Min.			
3) Jacket		0.010" Wall, Nom.,FEP		0.070+/- 0.003	
a) Color(s)		CLEAR, BLACK, BROWN, RED, ORANGE, YELLOW, GREEN, BLUE, VIOLET, SLATE, WHITE.			

### Applicable Specifications

### Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3):	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
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.

# Properties

Physical & Mechanical Properties	
1) Temperature Range	-70 to 200°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	2.15 Lbs, Maximum
Electrical Properties	(For Engineering purposes only)
1) Voltage Rating	1000 V <sub>RMS</sub>
2) Characteristic Impedance	50 Ω +/- 2
3) Ground Capacitance	29.3 pF/ft @1 kHz, Nominal
4) Velocity of Propagation	70 %
5) Conductor DCR	241 Ω/1000ft @20°C, Nominal
6) Attenuation, Max dB/100ft	14.1 @ 100 MHz
	29.3 @ 400 MHz
	48.9 @ 1 GHz

# Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) 100 FT	2.75 x 2 x 1.125 Continuous length
	<i>[Spool dimensions may vary slightly]</i>

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