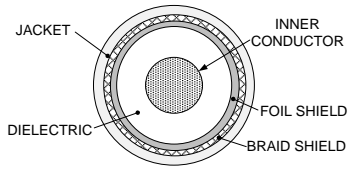


### Low Loss Coaxial Cable Specification

Specification		100 SERIES	Construction DWG.	
Construction Item		Component		
Inner Conductor	Diameter	.018" [46mm]		
	Material	Solid Copper Clad Steel		
Dielectric	Diameter	.060" [1.52mm]		
	Material	Solid Polyethylene		
Foil Shield	Diameter	-		
	Material	Non-Bonded Aluminum Foil		
Braid Shield	Diameter	.082" [2.10mm]		
	Material	Tinned Copper Braid		
Jacket	Diameter	.109" [2.79mm]		
	Material	PVC		
	Color	Black		
<b>Electrical Characteristics</b>		<b>Attenuation (Typical)</b>		
Capacitance (pF/m)	101.0	Frequency (MHz)	Attenuation (>dB/100m)	
Impedance (Ohms)	50	-	-	
Velocity (%)	66	50	18.5	
Center Conductor Resistance (Ω/km)	266	150	30.4	
		220	36.3	
Outer Conductor Resistance (Ω/km)	31.2	450	53.7	
		900	78.1	
Shielding Effectiveness (dB)	90	1500	102.9	
Cutoff Frequency (GHz)	41	1800	113.8	
Peak Power (kW)	0.6	2000	121.2	
		2500	136.4	
<b>Mechanical and Environmental Characteristics</b>				
Min. Bend Radius (Static)	.55" [14.0mm]	Tensile Strength (kg/lb)	6.8 / 15	
Min. Bead Radius (Repeat)	1.0" [25.4mm]			
Operating Temp (°C)	-20°C to +70°C	Cable Weight (kg/m) (lb/ft)	.014 / .009	
<b>Listings/Ratings:</b>				
ROHS				
<b>Packaging:</b>				
CABLE PACKAGED ON BULK REELS (EX. 500 FT REEL, 1000 FT REEL) SHALL BE ONE CONTINUOUS PIECE OF CABLE. USING INDIVIDUAL CABLE SPLICES TO MAKE A REQUIRED BULK REEL LENGTH IS NOT ACCEPTABLE. CABLE LENGTH TOLERANCE = +5% / -0%				

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