

**Low Loss Coaxial Cable Specification**

Specification		200 SERIES	Construction DWG.	
Construction Item		Component		
Inner Conductor	Diameter	.044" [1.12mm]		
	Material	Solid Bare Copper		
Dielectric	Diameter	.116" [2.95mm]		
	Material	Physical Foam Polyethylene		
Foil Shield	Diameter	.121" [3.07mm]	<b>Marking On Surface</b>	
	Material	Bonded Aluminum Foil		
Braid Shield	Diameter	.144" [3.66mm]	<p>MARKING: WHITE INK TEXT</p> <p>METER MARK</p> <p>CA-200 XX</p> <p>*XX* TO BE UPPER CASE, FIRST (2) LETTERS OF APPROVED MANUFACTURER'S NAME BEFORE METER MARK.</p>	
	Material	Tinned Copper Braid		
Jacket	Diameter	.195" [4.95mm]		
	Material	UV Resistant Polyethylene		
	Color	Black		
<b>Electrical Characteristics</b>		<b>Attenuation (Typical)</b>		
Capacitance (pF/m)	80.4	Frequency (MHz)	Attenuation dB (100m / 100ft)	
Impedance (Ohms)	50	30	5.8 / 1.8	
Velocity (%)	83	50	7.5 / 2.3	
Center Conductor Resistance (Ω/km)	17.58	150	13.1 / 4.0	
		220	15.9 / 4.9	
Outer Conductor Resistance (Ω/km)	16.07	450	22.8 / 7.0	
		900	32.6 / 9.9	
Shielding Effectiveness (dB)	>90	1500	42.4 / 12.9	
Cutoff Frequency (GHz)	39.0	1800	46.6 / 14.2	
Peak Power (kW)	2.5	2000	49.3 / 15.0	
		2500	55.4 / 16.9	
		5800	86.5 / 26.4	
<b>Mechanical and Environmental Characteristics</b>				
Min. Bend Radius (Static)	.50" [12.7mm]	Tensile Strength (kg/lb)	18.2/40	
Min. Bend Radius (Repeat)	2.0" [50.8mm]			
Operating Temp (°C)	-40°C to +85°C	Cable Weight (kg/m)(lb/ft)	.035 / .021	
<b>Listings/Ratings:</b> ROHS, CE				
<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%				

(Information subject to change without notice)