

Low Loss Coaxial Cable Specification

Specification		240 SERIES	Construction DWG.			
Construction Item		Component				
Inner Conductor	Diameter	.056" [1.42mm]				
	Material	Solid Bare Copper				
Dielectric	Diameter	.15" [3.81mm]				
	Material	Physical Foam Polyethylene				
Foil Shield	Diameter	.155" [3.94mm]			Marking On Surface	
	Material	Bonded Aluminum Foil				
Braid Shield	Diameter	.178" [4.52mm]	<p>MARKING: WHITE INK TEXT</p> <p>METER MARK</p> <p>CA-240 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	.240" [6.10mm]				
	Material	UV Resistant Polyethylene				
	Color	Black				
Electrical Characteristics			Attenuation (Typical)			
Capacitance (pF/m)	79.4	Frequency (MHz)	Attenuation dB (100m / 100ft)			
Impedance (Ohms)	50	30	4.4 / 1.3			
Velocity (%)	84	50	5.7 / 1.7			
Center Conductor Resistance (Ω/km)	11.2	150	9.9 / 3.0			
		220	12.0 / 3.7			
Outer Conductor Resistance (Ω/km)	14	450	17.3 / 5.3			
		900	24.8 / 7.6			
Shielding Effectiveness (dB)	>90	1500	32.4 / 9.9			
Cutoff Frequency (GHz)	31.0	1800	35.6 / 10.9			
Peak Power (kW)	5.6	2000	37.7 / 11.5			
		2500	42.4 / 12.9			
		5800	66.8 / 20.4			
Mechanical and Environmental Characteristics						
Min. Bend Radius (Static)	1.2" [30mm]	Tensile Strength (kg/lb)	36.3 / 80			
Min. Bend Radius: (Repeat)	2.5" [63.5mm]					
Operating Temp (°C)	-40°C to +80°C	Cable Weight(kg/m)(lb/ft)	.049 / .034			
Listings/Ratings: ROHS						
Packaging: 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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