

COAX-240

Flexible Low Loss 50 Ohm Coaxial Cable

► Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Antenna Feeder runs

► Cable Construction

« Center Conductor » • Solid Bare Copper • Nominal Diameter : 1.42mm(0.056")	« Dielectric » • Foamed PE • Diameter Over Dielectric : 3.81mm(0.15")
« Shield » • Diameter Over Tape : 3.94mm(0.155") • Foil : Aluminum / Poly Tape • Braid Coverage : 90% • Braid : 34 AWG Tin / Copper • Shield Diameter : 4.52mm(0.178")	« Jacket » • PE or FR-PVC (CMR/CATVR fire rated) • Diameter Over Jacket : 6.10±0.15mm(0.240"±0.006") • Jacket Thickness : 0.79mm(0.031")
« Mechanical Properties » • Minimum Bend Radius : 38mm(1.5") • Operating Temperature Rating : -40°C to 85°C (PE) -20°C to 60°C (PVC) • Tensile Strength : 36.6kg(80 lbs) • Cable Weight : 0.034 lbs./ft.	« Electrical Properties » • Jacket Spark : 2500 VAC • Dielectric Strength Conductor to Shield : 3sec. @ 2500 VDC • Capacitance : 24.2 pF. / ft. • Impedance : 50.0±2.0 Ohms • Velocity of Propagation : 84% • DCR Conductor : 10.50 Ohms/1000m(3.20 Ohms/1000ft.) • Shield : 12.76 Ohms/1000m(3.89 Ohms/1000ft.) • Cutoff Frequency : 31 GHz • Peak Power : 5.6 kW

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500	5800
Attenuation [dB/100ft]	1.7	3	3.7	5.3	7.6	9.9	10.92	11.5	12.9	20.4
Attenuation [dB/100m]	5.58	9.84	12.14	17.38	24.93	32.5	53.83	37.73	42.33	66.8
Power [Handling(kW)]	1.15	0.66	0.54	0.38	0.26	0.2	0.19	0.17	0.15	0.1