

COAX – 300 CCA



Flexible Low Loss 50 Ohm Coaxial Cable

► Ideal for...

- Jumper Assemblies in Wireless Communications Systems
- Antenna Feeder runs

► Cable Construction

« Center Conductor » • Copper Clad Aluminum • Nominal Diameter : 1.78mm(0.070")	« Dielectric » • Foamed PE • Diameter Over Dielectric : 4.83mm(0.19")
« Shield » • Diameter Over Tape : 4.98mm(0.196") • Foil : Aluminum / Poly Tape • Braid Coverage : 90% • Braid : 34 AWG Tin / Copper • Shield Diameter : 5.72mm(0.225")	« Jacket » • PVC • Diameter Over Jacket : 7.62±0.20mm(0.300"±0.008") • Jacket Thickness : 0.97mm(0.038")
« 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 : 54.5kg(120 lbs) • Cable Weight : 0.055 lbs./ft.	« Electrical Properties » • Jacket Spark : 4000 VAC • Dielectric Strength Conductor to Shield : 3sec. @ 2500 VDC • Capacitance : 24.1 pF. / ft. • Impedance : 50.0±2.0 Ohms • Velocity of Propagation : 85% • DCR Conductor : 6.95 Ohms/1000m(2.12 Ohms/1000ft.) • Shield : 7.25 Ohms/1000m(2.21 Ohms/1000ft.) • Cutoff Frequency : 24.5 GHz • Peak Power : 10.0 kW

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500	5800
Attenuation [dB/100ft]	1.4	2.4	2.9	4.2	6.1	7.9	8.8	9.2	10.4	16.6
Attenuation [dB/100m]	4.59	7.87	9.51	13.78	20.01	25.92	28.88	30.18	34.12	54.3
Power [Handling(kW)]	1.6	0.93	0.76	0.52	0.36	0.28	0.25	0.24	0.21	0.13