

COAXPARK

COAX – 600

Low Loss 50 Ohm Coaxial Cable



► Cable Construction

« Center Conductor » • Copper Clad Aluminum • Nominal Diameter : 4.47mm(0.176")	« Dielectric » • Foamed PE • Diameter Over Dielectric : 11.56mm(0.455")
« Shield » • Diameter Over Tape : 11.71mm(0.461") • Foil : Aluminum / Poly Tape • Braid Coverage : 90% • Braid : 34 AWG Tin / Copper • Shield Diameter : 12.45mm(0.490")	« Jacket » • PE or FR-PVC (CMR/CATVR fire rated) • Diameter Over Jacket : 14.99±0.20mm(0.590"±0.008") • Jacket Thickness : 1.27mm(0.050")
« Mechanical Properties » • Minimum Bend Radius : 76mm(3") • Operating Temperature Rating : -40°C to 85°C (PE) -20°C to 60°C (PVC) • Tensile Strength : 158.9kg(350 lbs) • Cable Weight : 0.131 lbs./ft.	« Electrical Properties » • Jacket Spark : 4000 VAC • Dielectric Strength Conductor to Shield : 3sec. @ 2500 VDC • Capacitance : 76.8 pF. / ft. • Impedance : 50.0±2.0 Ohms • Velocity of Propagation : 87% • DCR Conductor : 1.8 Ohms/1000m(0.55 Ohms/1000ft.) • Shield : 4.26 Ohms/1000m(1.30 Ohms/1000ft.) • Cutoff Frequency : 16.2 GHz • Peak Power : 10.3kW

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500	5800
Attenuation [dB/100ft]	0.55	1	1.2	1.7	2.5	3.3	3.67	3.9	4.4	7.3
Attenuation [dB/100m]	1.8	3.28	3.94	5.58	8.2	10.83	12.03	12.8	14.44	23.8
Power [Handling(kW)]	4.3	2.4	1.9	1.3	0.93	0.7	0.65	0.59	0.52	0.32

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