

COAX – 195/195R



Flexible Low Loss 50 Ohm Coaxial Cable

► Ideal for...

- Drop-in Replacement for RG-58/RG-142
- Jumper Assemblies in Wireless Communications Systems
- Antenna Feeder runs

► Cable Construction

« Center Conductor » • Solid Bare Copper • Nominal Diameter : 0.94mm(0.037")	« Dielectric » • Foamed PE • Diameter Over Dielectric : 2.79mm(0.110")
« Shield » • Diameter Over Tape : 2.95mm(0.116") • Foil : Aluminum / Poly Tape • Braid Coverage : 90% • Braid : 36 AWG Tin / Copper • Shield Diameter : 3.53mm(0.139")	« Jacket » • PE or FR-PVC (CMR/CATVR fire rated) • Diameter Over Jacket : 4.95±0.15mm(0.195"±0.006") • Jacket Thickness : 0.71mm(0.028")
« Mechanical Properties » • Minimum Bend Radius : 25mm(1") • Operating Temperature Rating : -40°C to 85°C (PE) -20°C to 60°C (PVC) • Tensile Strength : 18.2kg(40 lbs) • Cable Weight : 0.021 lbs./ft.	« Electrical Properties » • Jacket Spark : 2500 VAC • Dielectric Strength Conductor to Shield : 3sec. @ 2500 VDC • Capacitance : 24.3 pF. / ft. • Impedance : 50.0±2.0 Ohms • Velocity of Propagation : 80% • DCR Conductor : 24.93 Ohms/1000m(7.6 Ohms/1000ft.) • Shield : 16.07 Ohms/1000m(4.9 Ohms/1000ft.) • Cutoff Frequency : 41 GHz • Peak Power : 2.5 kW

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500	5800
Attenuation [dB/100ft]	2.6	4.4	5.4	7.8	11.1	14.5	15.8	16.9	19	28.3
Attenuation [dB/100m]	8.53	14.43	17.72	25.6	36.41	47.57	57.83	55.44	62.34	93.1
Power [Handling(kW)]	0.68	0.39	0.32	0.22	0.15	0.12	0.11	0.1	0.09	0.06