

COAX – 400 (HF)



Flexible Low Loss 50 Ohm Coaxial Cable

► Ideal for...

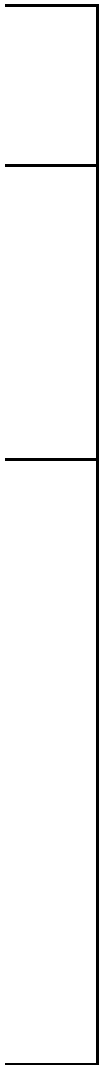
- Jumper Assemblies in Wireless Communications Systems
- Antenna Feeder runs

► Cable Construction

« Center Conductor » • Solid Bare Copper • Nominal Diameter : 2.74mm(0.108")	« Dielectric » • Foamed PE • Diameter Over Dielectric : 7.24mm(0.285")
« Shield » • Diameter Over Tape : 7.39mm(0.291") • Foil : Aluminum / Poly Tape • Braid Coverage : 90% • Braid : 34 AWG Tin / Copper • Shield Diameter : 8.13mm(0.320")	« Jacket » • PE (Halogen Free) • Diameter Over Jacket : 10.29±0.20mm(0.405"±0.008") • Jacket Thickness : 1.09mm(0.043")
« Mechanical Properties » • Minimum Bend Radius : 50mm(2") • Operating Temperature Rating : -40°C to 85°C • Tensile Strength : 72.6kg(160 lbs) • Cable Weight : 0.068 lbs./ft.	« Electrical Properties » • Jacket Spark : 4000 VAC • Dielectric Strength Conductor to Shield : 3sec. @ 2500 VDC • Capacitance : 23.9 pF. / ft. • Impedance : 50.0±2.0 Ohms • Velocity of Propagation : 85% • DCR Conductor : 4.33 Ohms/1000m(1.32 Ohms/1000ft.) • Shield : 6.89 Ohms/1000m(2.10 Ohms/1000ft.) • Cutoff Frequency : 16.2 GHz • Peak Power : 16.0 kW

► Attenuation

Frequency [MHz]	50	150	220	450	900	1500	1800	2000	2500
Attenuation [dB/100ft]	0.9	1.5	1.9	2.7	3.9	5.1	5.65	6	6.8
Attenuation [dB/100m]	2.95	4.92	6.23	8.86	12.8	16.73	18.53	19.68	22.31
Power [Handling(kW)]	2.6	1.5	1.2	0.83	0.58	0.44	0.4	0.37	0.33



5800
10.8
35.5
0.21

