



CO-AXIAL CABLES

Co- Axial Cables

We have latest state-of-the-art manufacturing and testing facilities at our imported plant to manufacture co-axial cables as per internationally accepted norms. The cables are specially designed processed and tested to resist moisture, heat and humidity to suit extreme Indian Weather Conditions. A fully computerized process monitoring and quality control system ensures consistency, reliability and optimum electrical characteristics (including minimum db loss) for our digital cables giving fullest satisfaction over a long span to end-users.

SPECIAL FEATURES

- Solid Copper Center Conductor
- Nitrogen Gas injected foam
- High Quality Aluminum Bonded Tape
- Special (HB) for internet
- Anti Corrosion and Moisture Resistant (APD)
- PVC Jacket / UV protected RoHS.
- Meter Marked
- 3.0 Ghz. Cable
- 100% Spectrum Analyzer Tested
- Suitable for Power Pass
- Higher Bandwidth



DIGITAL CABLE OF ADVANCE TECHNOLOGY

Our Zenium Digital brands of co-axial cables are Special International Digital Designed for transmission of high frequency signals with minimum loss for DTH, Institute, Digital Headend etc. The various configurations of our cables are solid copper center conductor and also available in Copper Clad Steel (CCS) Polyethylene produced by gas injection, polypropylene, Aluminium laminated tape to provide 100% coverage, Aluminium alloy wire braids to give additional mechanical strength, Flooding Compound (APD) to provide internal corrosion protection and PVC cover to give environmentally secured safe seal to the construction. Cables tested on 3.0 Ghz spectrum analyzer.

Construction of Co-Axial Cable

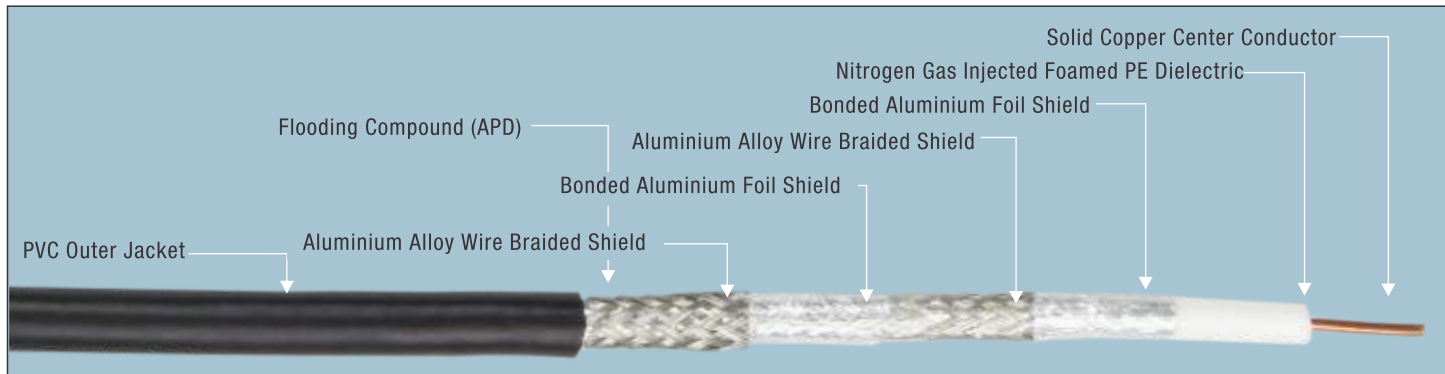


TABLE SHOWING

Parameters	RG 59	RG 6	RG11
A. Construction			
		Standard Shield	
Solid Copper Center Conductor (mm)	0.81	1.02	1.63
Diameter Over Dielectric - Foam PE (mm)	3.64	4.60	7.11
Al. Bonded Tape (mm)	3.82	4.75	7.32
Al. Braid Coverage	85%	85%	85%
Flooding Compound	DryAPD	DryAPD	DryAPD
Diameter Over Jacket - Black PVC (mm)	6.20	6.80	9.90
B. Electrical Characteristics			
Capacitance (pf / mtr.)	53.2	53.2	53.2
Nominal impedance (± 3.0 Ohms)	75 Ohms (± 3)	75 Ohms (± 3)	75 Ohms (± 3)
Velocity of Propagation	85%	85%	85%
Attenuation [@ 68° F or 20°]			
		Maximum (db / 100m)	
Frequency (MHz)			
5	2.52	1.90	1.18
55	6.16	5.10	3.14
83	6.92	5.91	3.81
187	9.20	9.04	5.58
211	11.77	9.25	5.92
250	12.75	10.20	6.48
300	14.00	11.15	7.07
350	15.25	12.10	7.50
400	16.05	13.15	8.38
450	17.42	14.02	9.01
500	18.10	14.70	9.57
550	19.40	15.55	10.12
600	20.12	16.32	10.82
750	22.27	18.28	11.98
865	24.02	19.02	13.68

The above data is approximate and subject to manufacturing tolerance