



Co Axial Cables ✓

CO AXIAL CABLES : Techno flex Cables have rich experience of manufacturing superior quality Digital VSAT satellite telecom cables and Radio Frequency Co-axial cables, RG Series 6 / 59 / 11 / 58 / 213 / 8AU

Special Features : * High Band width * Low attenuation Value * Minimum structural return loss * Low loss in signal quality * Ideal for power pass application * Clear in reception Reduced cross talk. Coaxial cabling is the primary type of cabling used by the cable television industry and is also widely used for computer networks, such as Ethernet. Although more expensive than standard telephone wire, it is much less susceptible to interference and can carry much more data. Coaxial cable is used as a transmission line for radio frequency signals. Its applications include feedlines connecting radio transmitters and receivers with their antennas, computer network (Internet) connections, and distributing cable television signals. One advantage of coax over other types of radio transmission line is that in an ideal coaxial cable the electromagnetic field carrying the signal exists only in the space between the inner and outer conductors. This allows coaxial cable runs to be installed next to metal objects such as gutters without the power losses that occur in other types of transmission lines. Coaxial cable also provides protection of the signal from external electromagnetic interference.

Coaxial cable differs from other shielded cable used for carrying lower frequency signals, such as audio signals, in that the dimensions of the cable are controlled to give a precise, constant conductor spacing, which is needed for it to function efficiently as a radio frequency transmission line.

Application : Specially used in electronic and digital instrument wiring / CCTV & Audio Visual VSAT / DATA cabling and recorder Multilocation network or surfacing etc.

| Description | Solid Copper Diameter | Foam Insulation OD in mm | Shield braiding Coverage | Thickness of over sheath in mm | Normal Impedance Ohms | Nominal Capacitance pf/mtr | Nominal Velocity of Propagation |
|-------------|-----------------------|--------------------------|--------------------------|--------------------------------|-----------------------|----------------------------|---------------------------------|
| RG6 | 1.02 | 4.6 | 90-95% | 0.80 | 75 | 53 | 83% |
| RG 11 | 1.63 | 7.1 | 90-95% | 1.20 | 75 | 53 | 84% |
| RG59 | 0.81 | 3.7 | 90-95% | 0.80 | 75 | 53 | 83% |
| RG 58 | 0.78 | 3.0 | 90-95% | 0.80 | 53.5 | 95 | 78% |
| RG 213 | 2.0 | 7.3 | 90-95% | 1.3 | 50 | 95 | 66% |
| RG 8AU | 2.74 | 6.4 | 90-95% | 1.2 | 50 | 100 | 66% |

