

JELLY FLOODED CO-AXIAL CABLES



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BIO CAB co-axial cables are used for transmission of audio and video signals in cable TV network. The cables offer higher bandwidth for your customers to receive the maximum number of channels with a high level of picture and sound quality. The center conductor is made of electrolytic grade copper and ensures better signal transmission. It is insulated with nitrogen gas injected foam polyethylene which is superior and more environment-friendly than chemical foam.

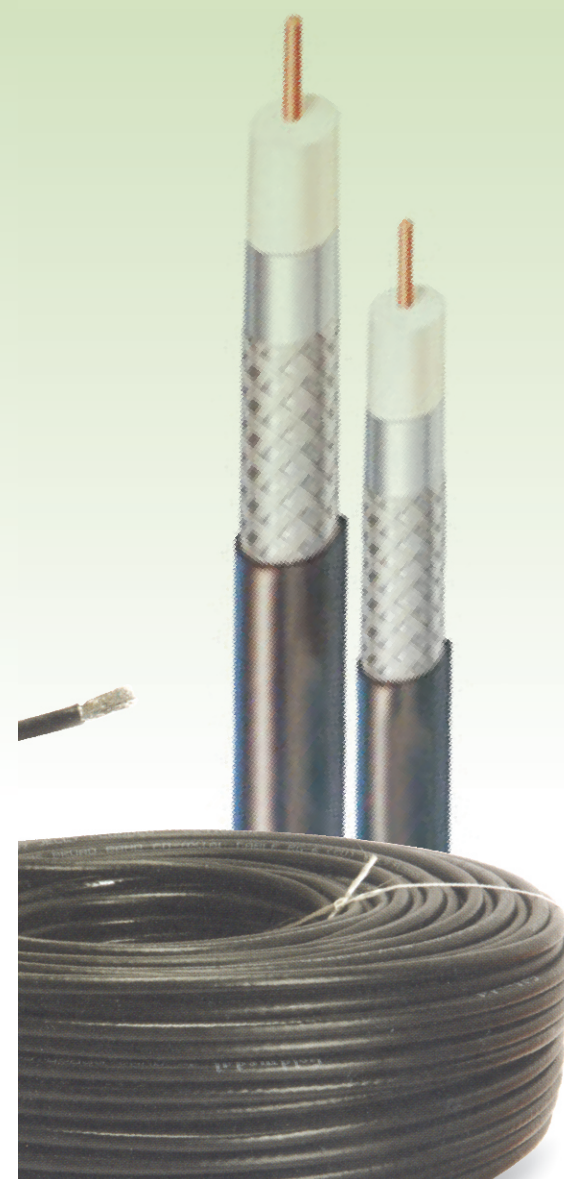
- High quality Co-axial for Cable TV network.
- Notch free attenuation values over wide band of frequencies
- The special jacketing offers increased life even in rugged conditions.

- Conductor** : The central conductor is made of 99.97% pure solid electrolytic grade conductor, which has distinct advantages over traditional copper conductor
- Insulation** : The insulation provided over the conductor is of foam PE which acts as a dielectric.
- Screen** : Aluminum Mylar tape is provided over the insulated conductor to shield the conductor and ensure disturbance free transmission of signals
- Braiding** : The braiding provided is >60% coverage of ATC (Annealed tinned copper) / Aluminium braiding.

Attenuation db/100 mtrs. (20°C) @ MHz	RG 59 F	RG 6 F	RG 11 F
211	12.47	9.50	6.23
250	13.45	10.50	6.72
300	14.60	11.50	7.38
350	15.75	12.45	7.94
400	16.73	13.30	8.53
450	17.72	14.35	9.02

Construction and electrical parameters

C Parameters	Cable type		E Parameters	Cable type	
	RG 11F	RG 6F		RG 11F	RG 6F
Inner Conductor	ABC	ABC	Inner Conductor	0.80	2.10
Nom. Dia. (mm) of Inner Conductor	1.63	1.02	Nom. Capacitance (pF/mtr.)	53	53
Insulating material	Foam PE	Foam PE	Characteristic Impedance (Ohms)	75	75
Nom. Dia (mm) of Insulation	7.00	4.50	Velocity of Propagation (%)	85	85
Outer Conductor			Minimum Bending Radius(mm)	75	65
			Maximum Attenuation at 20°C (dB/100m)at Mhz	Max.	Max.
First	Bonded	Bonded		1.25	1.95
	AL tape	AL tape	50	3.10	5.30
Second	Tinned Cu /	Tinned Cu /	100	4.20	7.00
	Al braid	Al braid	200	6.00	9.90
Nom. Coverage %	> 60%	> 60%	300	7.38	11.50
Outer Sheath	PVC	PVC	400	8.53	13.30
Nom. Dia (mm) Outer Sheath	10.00	7.00	500	9.51	14.95



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