

## COAXIAL CABLES



# UNCENSORED PICTURE & SOUND QUALITY

Coaxial Cables are the backbone of today's hi-tech multichannel Cable TV Network.

POLYCAB Coaxial Cables are an important link in delivering entertainment that is truly enjoyable with clear picture and excellent sound quality.

ISO  
9001:2008

ISO  
14001:2004

OHSAS  
18001:2007

# JELLY FLOODED COAXIAL CABLES

Polycab, the market leaders in Power & Control Cables and fastest growing Company in the Cable industry, offer the widest range of cables and wires in the country. Polycab Coaxial Cables for Cable TV Network are manufactured at its ultra modern plant at Daman. The stringent quality control measure coupled with Company's R&D efforts ensure production of Coaxial Cables that are technologically superior and provide an ideal combination of electrical and physical properties. This makes Polycab Coaxial Cables the preferred choice for a variety of applications in CATV network.

The center conductor is made of solid electrolytic grade 99.97 pure copper to ensure better signal transmission. The conductor is insulated with foam dielectric made of polyethylene injected with nitrogen gas, which is superior and environment friendly as compared to chemical foam. The double screen of special composite type bonded aluminium foil and special grade aluminium alloy braiding of 60% coverage ensure low loss in signal quality, additional mechanical strength and resistance to oxide formation in tropical weather conditions. The specially in-house formulated PVC compound used in the jacketing is UV and abrasion resistant.

Polycab Coaxial Cables are fully tested for all parameters by computerized analyzer. Coaxial cables with steel wire armouring can also be supplied for underground applications.

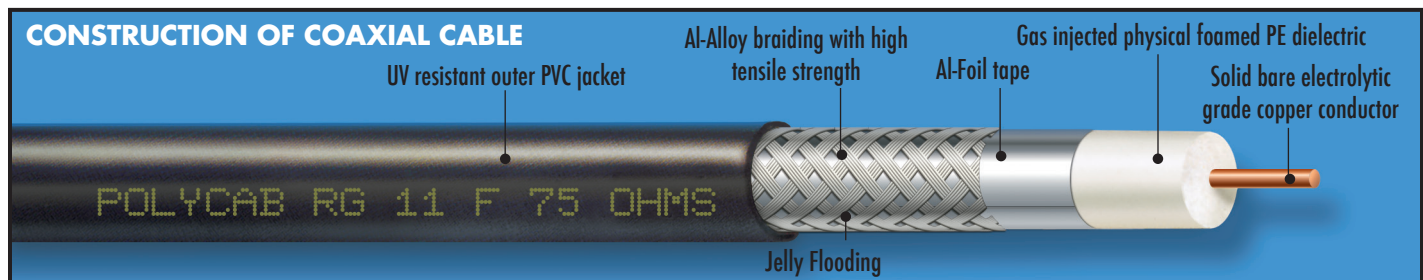
## FEATURES & ADVANTAGES

- **Minimum loss in signal quality** : better reception
- **Higher band width** : larger network expansion, 100 plus channels
- **Low attenuation value** : less electromagnetic interference
- **Minimum structural return loss**
- **Moisture proof** : Ideal for tropical conditions

CONSTRUCTION PARAMETERS	CABLE TYPE		
	RG 11F	RG 6F	RG 59F
CENTER CONDUCTOR Nom. Dia. (mm)	Solid bare copper 1.63	Solid bare copper 1.02	Solid bare copper 0.80
DIELECTRIC Nom. Dia. (mm)	Foam PE 7.11	Foam PE 4.57	Foam PE 3.55
OUTER CONDUCTOR 1st Shield 2nd Shield Min. Coverage (%)	Al-Foil Bonded Al-Alloy Braiding 60	Al-Foil Bonded Al-Alloy Braiding 60	Al-Foil Bonded Al-Alloy Braiding 60
Flooding Compound	Jelly	Jelly	Jelly
JACKET Nom. Dia. (mm)	PVC Black 10.30	PVC Black 7.25	PVC Black 6.20
BENDING RADIUS (mm)	70	60	60

ELECTRICAL PARAMETERS	CABLE TYPE		
	RG 11F	RG 6F	RG 59F
Center conductor (Max. resistance at 20°)	0.85 ohm/100 mtr.	2.14 ohm/100 mtr.	3.55 ohm/100 mtr.
Nom. Capacitance (PF/Mtrs.)	53 ± 3	53 ± 3	53 ± 3
Characteristics Impedance (Ohms)	75 ± 3	75 ± 3	75 ± 3
Nom. Velocity Ratio (%)	85	85	85
Attenuation @ 20°c (db/100 Mtrs.) at			
5 MHz	1.25 db	1.95 db	2.82 db
55 MHz	3.15 db	5.20 db	6.73 db
211 MHz	6.23 db	9.50 db	12.47 db
250 MHz	6.72 db	10.50 db	13.45 db
300 MHz	7.38 db	11.50 db	14.60 db
350 MHz	7.94 db	12.45 db	15.75 db
400 MHz	8.53 db	13.30 db	16.73 db
450 MHz	9.02 db	14.35 db	17.72 db
550 MHz	9.97 db	15.70 db	19.52 db
600 MHz	10.43 db	16.45 db	20.34 db
750 MHz	11.97 db	18.35 db	22.87 db
865 MHz	13.05 db	19.95 db	24.67 db
1000 MHz	14.27 db	21.45 db	26.64 db

• all figures are approximate presentation and may show variation under different conditions.



POLYCAB WIRES PVT. LTD.

Polycab House, 771, Mogul Lane,  
Mahim (W), Mumbai 400 016, India.

Tel.: +91 22 2432 7070-74 • Fax: +91 22 2432 7075

E-Mail : info@polycab.com

www.polycab.com

**BUY POLYCAB - BUY PEACE OF MIND**