



**Get real picture and
sound quality with Coaxial Cable**

Co-Axial Wires

Range: RG 59 F, RG 6 F, RG 6 CCS,
RG 11 F, RG 11 F CCS
Unarmoured & Armoured

POLYCAB

IDEAS. CONNECTED.



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 Cables the preferred choice for a variety of applications in CATV network.

The center conductor is made of solid electrical grade 99.97 pure copper to ensure better signal transmission. The conductor is insulated 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 branding 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.

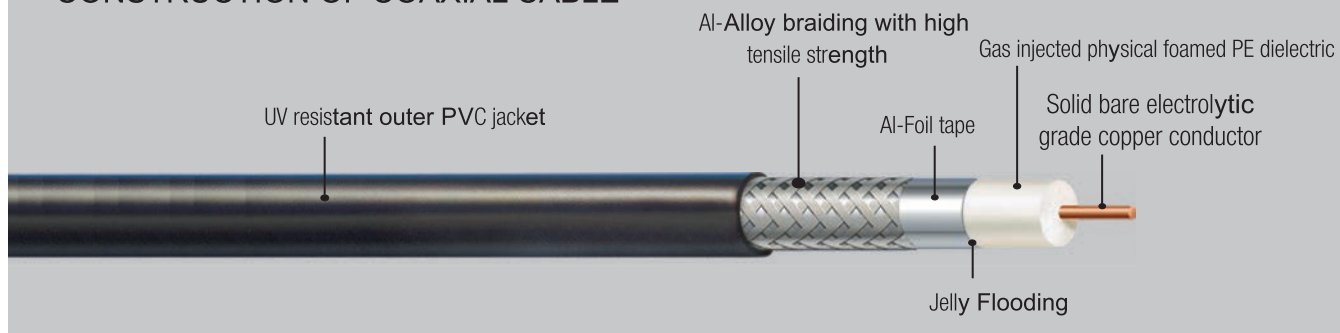
FEATURES & ADVANTAGES

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

ELECTRICAL PARAMETERS	RG 11F	CABLE TYPE RG 6F	RG 59F
Center conductor (Max. resistance at 20°)	0.85 ohm/100mtr.	2.14 ohm/100 mtr.	3.55 ohm/100mtr.
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

CONSTRUCTION OF COAXIAL CABLE



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Corporate Office:

POLYCAB INDIA LIMITED (formerly known as 'Polycab Wires Limited')

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

Ph.: +91-22-2432 7070/4, 6735 1400, Email: enquiry@polycab.com,

Toll Free No.: 1800 267 0008, www.polycab.com