



**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



**POLYCARB**

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 | CABLE TYPE | | |
|-------------------------|-------------------|-------------------|-------------------|
| | RG 11F | 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 | CABLE TYPE | | |
|---|------------------|-------------------|------------------|
| | RG 11F | 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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POLY CAB

India's No.1 Cable & Wires Company