

# Finolex



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## RG11 CCA



For  
CATV Applications

# Co-Axial Copper Clad Cables



An IS/ISO 9001 Company

## GAS INJECTED PHYSICAL FOAM CO-AXIAL CABLES WITH SPECIAL COPPER CLAD ALUMINIUM (CCA) CONDUCTOR

Finolex co-axial cables used for CATV networks are designed for optimum performance and value for money. The arithmetic is very simple. The cables offer higher bandwidth, so your customers can receive the maximum number of channels with a high level of picture and sound quality. These cables are uniquely designed for specialised application. This translates to more happy customers, larger cable TV networks and more profits for the cable operators. The cable is with central conductor of Copper Clad Aluminium (CCA) which offers less weight and hence can support longer span of cables. Also due to the principle of skin effect, the copper cladding over the central aluminium conductor carry signal without any loss of signal quality. The cable is also suitable for power pass application.

### WORLD-CLASS DESIGN & TECHNOLOGY

- Nitrogen gas injected physical foam dielectric manufactured by using imported polyethylene. The gas injected foam is far superior to the chemical foam.
- Stringent raw material, in-process and final testing ensures consistent quality which guarantees reliable and long-lasting performance.
- UV and abrasion resistant outer jacket is of a special grade PVC compound in black colour that is formulated in-house using PVC resin manufactured by Group company - Finolex Industries, Ratnagiri.
- Cable is sequentially marked along the length at every metre.
- Each length of the cable is 100% tested on an imported Hewlett Packard high frequency computerised Network Analyser, for Attenuation, Impedance, and Structural Return Loss (SRL) up to 1 GHz.
- Complete manufacturing of cable is done in-house on ultra-modern imported machinery.

PARAMETERS	RG11F CCA
<b>A. CONSTRUCTION</b>	
1 Inner Conductor	Copper Clad Aluminium
2 Nominal Diameter (mm)	1.63
3 Dielectric	Foam PE
4 Nominal Diameter (mm)	7.11
Outer Conductor	
5 First	Bonded Al Tape
6 Second	Al Braid
7 Nominal Coverage (%)	60
8 Flooding Compound	Jelly
9 Jacket	PVC (Black)
10 Nominal Diameter (mm)	10.0
11 Bending radius, Minimum (mm)	75
<b>B. ELECTRICAL</b>	
1 Nominal Capacitance (pf/mtr.)	53
2 Nominal Impedance (Ohm)	75
3 Nominal Velocity Ratio (%)	85
<b>C. ATTENUATION (@ 20°C)</b>	
<b>FREQUENCY MHz</b>	<b>dB/100m Max.</b>
55	3.15
211	6.23
400	8.53
600	10.43
750	11.97
865	13.05
1000	14.27

