

# CT100 - 75 Ohm Coaxial Cable PVC Sheath

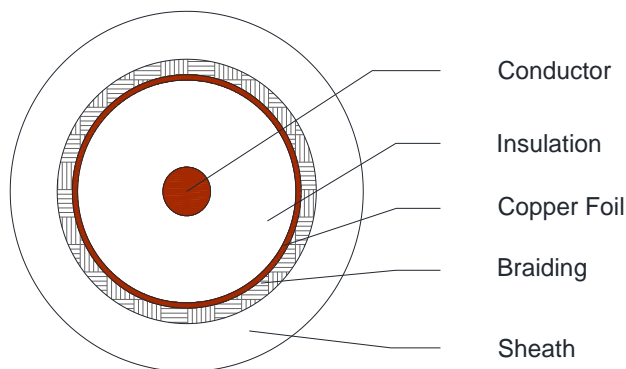


CI170

## Applications

This cable used for television, satellite television, cable modems and closed-circuit television Systems.

## Cross Section Drawing



## Design

Unit	Properties
Conductor	Solid Bare Copper Wire
Insulation	Foamed Polyethylene
Screen Material	Copper/Polyester Foil Tape
Braid	Aluminium Wire
Sheath Material	Polyvinyl Chloride (PVC) Standard Color: White
Standard Put Up Length	305 - 500 or 1000 metres

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

# CT100 - 75 Ohm Coaxial Cable PVC Sheath



## C1170

### Physical Characteristics

Part Number	C1170
Nom. Diameter Conductor(mm)	1.00
Nom. Diameter Dielectric	4.65
Screen Coverage (%)	115
Coverage Braid (%)	40
Nom. Overall Diameter(mm)	6.8
Operating Temperature (°C)	-20°C to +75°C
Max. Recommended Pulling Tension (N)	55
Min. Bend Radius (install)(mm)	65
Nominal Cable Weight (kg/km)	44.7

### Electrical Characteristics at 20°C

Max. Conductor Resistance (Ω/km)	Impedance (Ω)	Nom. Inductance (μH/m)	Nom. Capacitance Conductor to Shield (pF/m)	Nom. Velocity Of Propagation (%)	Min. DC Insulation Resistance (MOhms.km)	Min. Return Loss 5MHz – 1000MHz (dB)	Min. Return Loss 1000MHz – 22000MHz (dB)
26	75 ± 3	0.32	52.5 ± 3	82	500	23	18

### Nom. Attenuation Table

Frequency (MHz)	Attenuation (dB/100m)
5	1.60
10	1.80
50	4.60
100	6.50
200	9.50
300	10.85

Frequency (MHz)	Attenuation (dB/100m)
460	15.00
860	19.9
1000	21.5
1750	29.00
2150	32.50

### Reference Standards

(BS) EN 50290-2
(BS) EN 50117
IEC 61196
RoHS directives