

# RG-6 Sweep Tested Coaxial Cables for CATV & SMATV

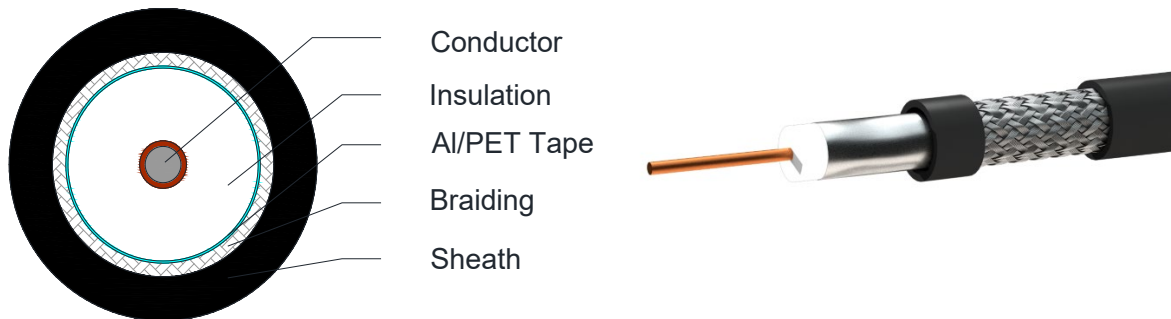


C4372

## Applications

CATV and SMATV

## Cross Section Drawing



## Design

| Unit                   | Properties   |
|------------------------|--|
| Conductor              | Solid Copper Covered Steel (CCS)                   |
| Dielectric             | Foamed Polyethylene                                |
| Screen                 | Bonded Aluminium/ Polyester foil<br>100% coverage  |
| Braid                  | Aluminium Wire                                     |
| Sheath                 | Polyvinyl Chloride (PVC)<br>Standard colour: Black |
| Standard Put Up Length | 305metres  |

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

# RG-6

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### C4372

#### Physical Characteristics

| Part Number for PVC                  | C4372      |
|--------------------------------------|------------|
| Nom. Diameter Conductor(mm)          | 1.02       |
| Nom. Diameter Dielectric             | 4.60       |
| Coverage Braid (%)                   | 43         |
| Nom. Overall Diameter(mm)            | 6.6        |
| Operating Temperature (°C)           | -25 to +75 |
| Max. Recommended Pulling Tension (N) | 560        |
| Min. Bend Radius (install)(mm)       | 66         |
| Nominal Cable Weight (kg/km)         | 41.32      |

#### Electrical Characteristics at 20°C

| Part Number                         | C4372 |
|-------------------------------------|-------|
| Impedance(Ohm)                      | 75±3  |
| Max. DC Resistance Conductor (Ω/km) | 118   |
| Max. DC Resistance Screen (Ω/km)    | 59.8  |
| Nominal Capacitance (pF/m)          | 53    |
| Nominal Inductance (μH/m)           | 0.32  |
| Velocity of Propagation (%)         | 83    |
| Nominal Time Delay (ns/m)           | 3.94  |
| Min. Return Loss 1 to 3000 MHz (dB) | 20    |

#### Nominal Attenuation in dB/100m

| MHz  | 5   | 10   | 50   | 100  | 200  | 400   | 550   | 870   | 1250  | 1750  | 2150  | 2500  | 3000  |
|------|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| RG-6 | 5.0 | 5.64 | 6.52 | 7.02 | 9.56 | 13.12 | 15.45 | 20.17 | 24.25 | 29.26 | 32.88 | 35.88 | 39.83 |

#### Reference Standards

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