

# RG6 Tri-Shield

## 75 Ohm Drop Coaxial Cable



### PHYSICAL DIMENSION

|                       | Material   | Diameter(mm) |
|-----------------------|--|--------------|
| Inner Conductor       | BC or CCS  | 1.02         |
| Dielectric            | Foamed PE  | 4.57         |
| Outer Conductor       | Bonded Al. Tape + Al. Wire + Non<br>Boded Al. tape | 5.60         |
| Jacket                | PVC or PE  | 7.06         |
| Jacket Wall Thickness |  | 0.76         |

### ELECTRICAL PROPERTY

|                              |                    |           |
|------------------------------|--------------------|-----------|
| Capacitance (pF/m)           | 50±3               |           |
| Impedance(ohms)              | 75±3               |           |
| Velocity of Propagation      | 85%                |           |
| Shielding Effectiveness(≥dB) | 80                 |           |
| Operation Temperature(°C)    | -20—+80 or -40—+80 |           |
| Return Loss                  | <b>Frequency</b>   | <b>dB</b> |
|                              | 1-470MHz           | ≥22dB     |
|                              | 470-1000MHz        | ≥20dB     |

### ATTENUATION @ 68°F (20°C)

| Frequency(MHz) | ≤dB/100m @20°C | Frequency(MHz) | ≤dB/100m @20°C |
|----------------|----------------|----------------|----------------|
| 5              | 1.90           | 400            | 13.61          |
| 55             | 5.25           | 450            | 14.43          |
| 83             | 6.40           | 500            | 15.09          |
| 187            | 9.35           | 550            | 16.08          |
| 211            | 10.00          | 600            | 16.73          |
| 250            | 10.28          | 750            | 18.54          |
| 300            | 11.64          | 865            | 20.01          |
| 350            | 12.63          | 1000           | 21.49          |