

# Hangzhou Sanyuan Cable Co.,Ltd

## RG59+2 Wires

### RG59 Coaxial Cable Construction

|                 | Material                     | Diameter(mm) |
|-----------------|------------------------------|--------------|
| Inner conductor | BC-Bare Copper               | 0.81         |
| Dielectric      | Foam PE                      | 3.66         |
| First Shield    | Bonded Aluminum Foil         | 3.84         |
| Second Shield   | Bare Copper Wire Braid (95%) | 16x8x0.15    |
| Jacket          | PVC                          | 6.1          |

### 2Power cable specs:

**Conductor:** Bare Copper 0.5mm<sup>2</sup>, 0.75mm<sup>2</sup>, 1.0mm<sup>2</sup>, 18AWG optional

### Electrical Characteristics

|                            |            |
|----------------------------|------------|
| Impedance( $\Omega$ )      | 75 $\pm$ 3 |
| Capacitance(pF/m)          | 52 $\pm$ 2 |
| Velocity of Propagation(%) | 85         |
| Return Loss                |            |
| 5-1000 MHz(dB)             | $\geq$ 22  |
| 1000-2000 MHz(dB)          | $\geq$ 20  |
| Screening Effectiveness    |            |
| 5-1000 MHz(dB)             | $\geq$ 80  |

### Attenuation ( @20°C )

| Frequency(MHz) | Max Attenuation(dB/100m) |
|----------------|--------------------------|
| 5              | 2.8                      |
| 55             | 6.7                      |
| 187            | 11.8                     |
| 211            | 12.5                     |
| 400            | 16.7                     |
| 500            | 18.7                     |
| 750            | 22.8                     |
| 860            | 24.6                     |
| 1000           | 26.3                     |
| 1500           | 32.5                     |
| 1800           | 35.6                     |
| 2200           | 41.2                     |
| 3000           | 45.2                     |