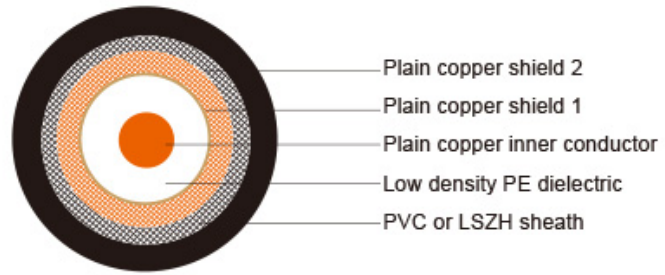


RG 59 PC1



Construction

|                                   |                |                         |
|-----------------------------------|----------------|-------------------------|
| <b>Inner conductor</b>            | Plain copper   | 0.6 mm                  |
| <b>Dielectric</b>                 | Low density PE | $\Phi 3.70 \pm 0.10$ mm |
| <b>Outer conductor (shield 1)</b> | Plain copper   | 120 x 0.12 mm           |
| <b>Shield coverage</b>            |                | 86%                     |
| <b>Outer conductor (shield 2)</b> | Tinned copper  | 120 x 0.12 mm           |
| <b>Shield coverage</b>            |                | 86%                     |
| <b>Sheath</b>                     | PVC or LSZH    | $\Phi 6.10 \pm 0.10$ mm |

Electrical & Mechanical Characteristics

|                                    |                 |
|------------------------------------|-----------------|
| <b>Impedance</b>                   | 75±5 Ohm        |
| <b>Nominal capacitance</b>         | 67pF/m          |
| <b>Velocity of propagation</b>     | 66%             |
| <b>Insulation resistance</b>       | >2000 Mohm.Km   |
| <b>Inner conductor resistance</b>  | 62 Ohm/Km       |
| <b>Outer conductor resistance</b>  | 8.5 Ohm/Km      |
| <b>Operating temperature range</b> | -25 °C - +80 °C |
| <b>Copper weight</b>               | 29.9 Kg/Km      |
| <b>Cable weight (approx.)</b>      | 59.8 Kg/Km      |
| <b>Screening effectiveness</b>     | >70 dB          |

Attenuation

| Frequency (MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|-----------------|------------------------|------------------------|
|-----------------|------------------------|------------------------|

|      |      |       |
|------|------|-------|
| 50   | 7.2  | 2.20  |
| 100  | 10.5 | 3.2   |
| 200  | 15.5 | 4.73  |
| 400  | 22.3 | 6.8   |
| 500  | 25.1 | 7.65  |
| 600  | 28   | 8.54  |
| 860  | 33.9 | 10.34 |
| 1000 | 37   | 11.28 |

## Return Loss

|                    |       |
|--------------------|-------|
| <b>30-300 MHz</b>  | >31dB |
| <b>300-600 MHz</b> | >28dB |
| <b>600-900 MHz</b> | >24dB |