

RG Type 50 Ohm Coaxial Cables

RG 213 PC1

Construction

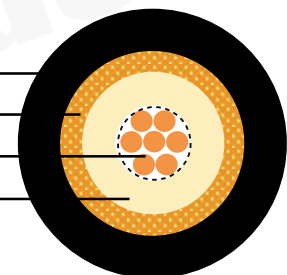
| | | |
|--------------------------|----------------|-------------------------|
| Inner conductor | Plain copper | 7 x 0.75 mm |
| Dielectric | Low density PE | $\Phi 7.25 \pm 0.08$ mm |
| Outer conductor (shield) | Plain copper | 240 x 0.13 mm |
| Shield coverage | | 93% |
| Sheath | PVC or LSZH | $\Phi 10.3 \pm 0.18$ mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 50 \pm 3 Ohm |
| Nominal capacitance | 100 pF/m |
| Velocity of propagation | 66% |
| Insulation resistance | >2000 Mohm.Km |
| Inner conductor resistance | 6.0 Ohm/Km |
| Outer conductor resistance | 5.0 Ohm/Km |
| Operating temperature range | -30 °C - +70 °C |
| Copper weight | 59.9 Kg/Km |
| Cable weight (approx.) | 149.7 Kg/Km |
| Screening effectiveness | >55 dB |



PVC or LSZH sheath
 Plain copper shield
 Plain copper inner conductor
 Low density PE dielectric



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100 ft) |
|----------------|------------------------|-------------------------|
| 50 | 4.5 | 1.37 |
| 100 | 6.8 | 2.07 |
| 200 | 10.0 | 3.05 |
| 400 | 14.5 | 4.42 |
| 500 | 16.4 | 5.00 |
| 600 | 18.1 | 5.52 |
| 860 | 22.5 | 6.86 |
| 1000 | 24.7 | 7.53 |

Return Loss

| | |
|-------------|-------|
| 30-300 MHz | >31dB |
| 300-600 MHz | >28dB |
| 600-900 MHz | >27dB |