

RG Type 75 Ohm Coaxial Cables

RG 175 PC

Construction

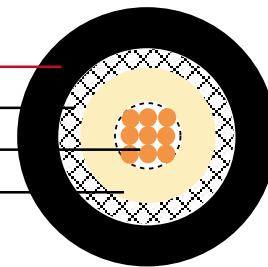
| | | |
|--------------------------|----------------------|-------------------------|
| Inner conductor | Plain copper | 9 x 0.10 mm |
| Dielectric | Foam PE | $\Phi 1.50 \pm 0.08$ mm |
| Outer conductor (shield) | Silver plated copper | 72 x 0.10 mm |
| Shield coverage | | 90% |
| Sheath | PVC or LSZH | $\Phi 2.80 \pm 0.13$ mm |

Electrical & Mechanical Characteristics

| | |
|-----------------------------|-----------------|
| Impedance | 75 \pm 5 Ohm |
| Nominal capacitance | 67 pF/m |
| Velocity of propagation | 66% |
| Insulation resistance | >5000 Mohm.Km |
| Inner conductor resistance | 250 Ohm/Km |
| Outer conductor resistance | 35 Ohm/Km |
| Operating temperature range | -25 °C - +80 °C |
| Copper weight | 5.85 Kg/Km |
| Cable weight (approx.) | 12.95 Kg/Km |
| Screening effectiveness | >50 dB |



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



Attenuation

| Frequency(MHz) | Attenuation (dB/100 m) | Attenuation (dB/100ft) |
|----------------|------------------------|------------------------|
| 50 | 19.2 | 5.85 |
| 100 | 27.9 | 8.51 |
| 200 | 40.7 | 12.41 |
| 400 | 59.2 | 18.05 |
| 500 | 67.5 | 20.58 |
| 600 | 72.6 | 22.13 |
| 860 | 91.1 | 27.77 |
| 1000 | 101.0 | 30.79 |

Return Loss

| | |
|-------------|-------|
| 30-300 MHz | >20dB |
| 300-600 MHz | >20dB |
| 600-900 MHz | >20dB |