

RG Type 50 Ohm Coaxial Cables

RG 58 TC

Construction

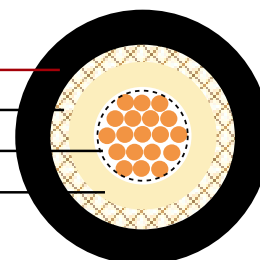
Inner conductor	Tinned copper	19 x 0.18 mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor (shield)	Tinned copper	140 x 0.10 mm
Shield coverage		93%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristic

Impedance	50±3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	37.5 Ohm/Km
Outer conductor resistance	17 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	14.9 Kg/Km
Cable weight (approx.)	37.1 Kg/Km
Screening effectiveness	>55 dB



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	9.7	2.96
100	13.9	4.24
200	20.4	6.22
400	30	9.15
500	34.2	10.43
600	37.9	11.55
860	46.9	14.30
1000	51.8	15.79

Return Loss

30-300 MHz	>27dB
300-600 MHz	>23dB
600-900 MHz	>22dB