

RG Type 50 Ohm Coaxial Cables

RG 58 U43(URM 43)

Construction

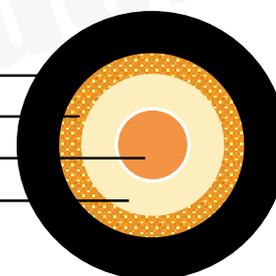
Inner conductor	Plain copper	0.90 mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	96 x 0.15 mm
Shield coverage		95%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	28 Ohm/Km
Outer conductor resistance	16.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	22.1 Kg/Km
Cable weight (approx.)	42.5 Kg/Km
Screening effectiveness	>55 dB



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	9.0	2.74
100	13.0	3.96
200	19.3	5.88
400	28.1	8.57
500	31.9	9.73
600	35.3	10.76
860	43.8	13.35
1000	48.5	14.79

Return Loss

30-300 MHz	>32dB
300-600 MHz	>28dB
600-900 MHz	>23dB