

RG Type 50 Ohm Coaxial Cables

RG 58 URM (URM76)

Construction

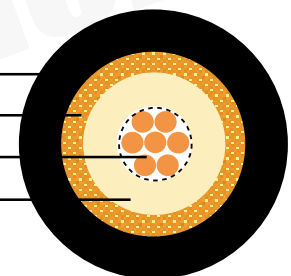
Inner conductor	Plain copper	7 x 0.32 mm
Dielectric	Low density PE	$\Phi 2.95 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	96 x 0.12 mm
Shield coverage		86%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

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	32 Ohm/Km
Outer conductor resistance	17.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	15.4 Kg/Km
Cable weight (approx.)	36.9 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	9.4	2.87
100	13.5	4.12
200	19.9	6.07
400	29.2	8.90
500	33.2	10.12
600	36.8	11.22
860	45.6	13.90
1000	50.4	15.37

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>22dB