

RG-11 Coaxial Cable



APPLICATION:

RG-11 Coaxial Cables are suitable for use in RF signal transmission in MATV, CATV and CCTV applications.

CONDUCTORS:

RG-11 Coaxial Cable has either a:

- CCS – Copper Clad Steel, per ASTM B800, B869
- BC – Bare Copper Conductor, per ASTM B3, B258

DIELECTRIC:

- Gas expanded polyethylene (PE)

STANDARDS:

- UL 444
- NEC CM, CATV, CCTV, CL2
- **RG11-Burial**: Direct Burial Rated

Part Number	Conductor Size	Conductor Diameter	Dielectric Diameter	Cable Diameter	Shield DCR*	Impedance	Capacitance	Velocity of Propagation	Weight	Attenuation Chart
	AWG	inches	inches	inches	Ω /kft	Ohm	pF/ft.	%	lbs./kft	
RG11/U60%	14	0.064	0.280	0.405	7.1	75	16.5	85	64	1
RG11/UQUAD	14	0.064	0.280	0.460	3.7	75	16.5	85	63	1
RG11-Burial	14	0.064	0.278	0.405	2.5	75	16.2	84	76	2

All values are nominal and subject to correction

*Conductor resistance at 68°F/20°C

Part Number	Conductor Type	Insulation Material	Shield Type & Coverage	Jacket Type
RG11/U60%	CCS	Gas Injected PE	100% AL Foil + 60% AL Braid	PVC
RG11/UQUAD	CCS	Gas Injected PE	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid	PVC
RG11-Burial	CCS	FEP	95% Bare CU Braid	Poly

Chart 1	
Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
55	0.96
187	1.75
250	2.05
300	2.25
400	2.60
450	2.75
500	2.90
550	3.04
600	3.18
750	3.65
865	3.98
1000	4.35

Chart 2	
Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
1	0.10
10	0.44
50	1.06
100	1.46
200	2.17
400	3.25
700	4.65
900	5.47
1000	5.85
1450	7.47
1800	8.50



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