

RG-6/U Coaxial Cable



APPLICATION:

RG-6/U Coaxial Cables are suitable for use in RF signal transmission in MATV and CATV applications.

CONDUCTORS:

RG-6/U Coaxial Cable has either a:

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

DIELECTRIC:

- Gas expanded polyethylene (PE)

JACKET:

- Flame retardant PVC

STANDARDS:

- UL 444
- NEC CM, CATV, CL2
- **RG6/U60%DIRBUR**: Direct Burial Rated
- **RG-6/UQUADCUCMR**: NEC CMR, CATV / ETL Listed

Part Number	Conductor Size	Conductor Diameter	Dielectric Diameter	Cable Diameter	DCR*	Impedance	Capacitance	Velocity of Propagation	Weight
	AWG	inches	inches	inches	Ω/kft	Ohm	pF/ft.	%	lbs./kft
RG6/U60%	18	0.040	0.180	0.273	28.9	75	16.5	85	30
RG6/U60%DIRBUR	18	0.040	0.180	0.273	28.9	75	16.5	85	30
RG6/UDUAL	18	0.040	0.180	0.270 x 0.595	28.9	75	16.5	85	60
RG6/UQUAD6040	18	0.040	0.180	0.292	28.9	75	16.5	85	35
RG6/UQUADCUCMR	18	0.040	0.180	0.297	6.4	75	16.5	83	35

All values are nominal and subject to correction

*Conductor resistance at 68°F/20°C

Part Number	Conductor Type	Insulation Material	Shield Type & Coverage
RG6/U60%	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/U60%DIRBUR	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/UDUAL	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid
RG6/UQUAD6040	CCS	Cellular Polyethylene	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid
RG6/UQUADCUCMR	BC	Foamed FEP	100% AL Foil + 60% AL Braid 100% AL Foil + 40% AL Braid

Attenuation	
Frequency	@68°F / 20°C
MHz	dB/100 ft.
5	0.58
50	1.48
100	2.01
200	2.86
400	4.23
700	5.96
900	6.96
1000	7.45
1200	8.25
1450	9.34
1800	10.69
2200	11.54
2500	11.70
3000	13.07

