



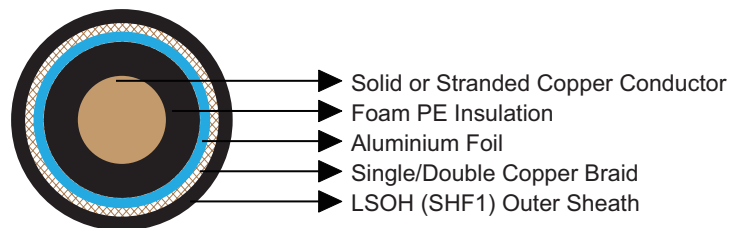
RG Series Coaxial Cables 50 Ω/75 Ω

Application

These radio frequency cables are suitable for high frequency data transmission (communication equipment, radar, instrumentation equipment) and video signal transmission.

Standards

- MIL C 17 (RG)
- IEC 60092-359
- IEC 60332-1
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Solid or stranded TC (Tinned copper), BC (Bare copper), BCW (Bare copperweld), SC (Silvered copper) and SPCCS (Silver plated copper on steel).
- Insulation: Foam PE.
- Fire Barriers: Aluminium foil.
- Screen: Single or double braid. Bare, tinned or silvered copper.
- Outer Sheath: LSOH (SHF1).

Electrical Characteristics

		RG 178	RG 58	RG 174	RG 213	RG 214	RG 59	RG 223	RG 6	RG 11
Capacitance	pF/m	100	100	100	100	100	67	100	52	53
Impedance @200MHz	Ω	50 ± 2	50 ± 2	50 ± 2	50 ± 2	50 ± 2	75 ± 3	50 ± 2	75 ± 3	75 ± 3
Attenuation @50MHz	dB/100m	38	13	21	3	5	10	15	4.6	2.8
Attenuation @100MHz	dB/100m	52	21	32	7	8	14	21	6.4	4.1
Attenuation @200MHz	dB/100m	74	34	46	13	13	20	30	9.0	5.9
Attenuation @400MHz	dB/100m	108	55	82	15	22	29	39	12.8	8.5
Attenuation @1000MHz	dB/100m	170	91	147	29	39	52	68	20.8	14.3



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $10 \times OD$
Temperature Range: $-30^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Dimensions and Weight

50 Ω

Part No.	Cable Type	Conductor Stranding No. x mm	Conductor Diameter mm	Dielectric Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN-RG58C	RG 58 CU	19x0.18 TC	0.90	3.0	4.95	40
MLN-RG174A	RG 174 AU	7x0.16 BCW	0.48	1.55	2.8	10
MLN-RG213U	RG 213 U	7x0.75 BC	2.25	7.3	10.3	157
MLN-RG214U	RG 214 U	7x0.75 SC	2.25	7.3	10.8	195
MLN-RG178U	RG 178 U	7x0.10 SPCCS	0.30	0.9	1.8	7
MLN-RG223U	RG 223 U	1x0.90 SC	0.90	3.02	5.38	55

75 Ω

Part No.	Cable Type	Conductor Stranding No. x mm	Conductor Diameter mm	Dielectric Diameter mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MLN-RG6	RG 6	1 x 1.0 BC	1.0	4.5	7.1	80
MLN-RG59	RG 59	1 x 0.57 BCW	0.57	3.75	6.15	53
MLN-RG11	RG 11	1 x 1.6 BC	1.6	7.2	10.3	135