



Radio Frequency Coaxial Cables

Infinity manufactures one of the most comprehensive lines of coaxial cables available from any single source. Signal transmission in electronic applications and data communications is changing in a dramatic way. Cables now have to accommodate faster signal speeds over longer distance with less signal loss. Additionally, new shielding requirements to meet FCC RFI/EMI emission controls, tougher fire/temperature requirements requiring special materials in critical installations and demands for high density wiring are factors which have been considered in many of our coaxial and data cable products.

Our products are designed to meet these needs for safe and reliable transmission of voice, video and data.

Infinity's coaxial cable products are supplied in 50, 75, 93, 125 and 150 ohms impedance grades for most voice, video and data applications. Our comprehensive line includes:

- Standard RG/URM/JSS/JIS type coax for commercial and defence use
- Triaxial cables-balanced lines for reduced crosstalk
- Triaxial cables
- MATV and CATV Cables
- Networking load for LAN, WAN, ETHERNET, ARCNET, NOVELL LAN D-LINK and other complex applications
- Dual Coax-workstation for large word processing systems.

Item (Replaces)	Conductor Size	Dia over Dielectric	O.D.	Impedance	Attenuation at 200 MHz	Max R.F. operating voltage
NORMAL VALUES						
	(mm)	(mm)	(mm)	(ohms)	(dB/100 m)	kV
Characteristic impedance 50-55 ohms						
RG-174/U	7/0.16 (C)	1.50	2.5	50.0	40	1.5 rms
RG-122/U	27/0.127 (T)	2.40	4.1	50.0	36	1.9 rms
RG-58/U	0.81 (P)	2.95	5.0	53.5	23	1.9 rms
RG-58C/U	19/0.18 (T)	2.95	5.0	50.0	24	1.9 rms
URM-43 (UR 43)	0.9 (P)	2.95	5.0	50.0	19	2.6 peak
URM-76 (UR 76)	7/0.32 (P)	2.95	5.0	50.0	22	2.6 peak
RG-55B/U	0.81 (S)	2.95	5.2	53.5	20	1.9 rms
RG-223/U (RG-55A/U)	0.9 (S)	2.95	5.5	50.0	20	1.9 rms
URM-115	0.9 (P)	2.95	7.2	50.0	19	2.0 peak
RG-212/U (RG-5B/U)	1.2 (S)	4.70	8.4	50.0	14	3.0 rms
RG-213/U (RG-8A/U)	<i>Similar to and substitutes URM-67 and UR-67</i>					
	7/0.75 (P)	7.25	10.3	50.0	11	5.0 rms
RG-214/U (RG-9B/U)	<i>Similar to and substitutes URM-112 and UR-112</i>					
	7/0.75 (S)	7.25	10.8	50.0	11	5.0 rms
URM-91 (UR-91)	7/0.76 (P)	7.25	11.0	50.0	10	6.5 peak
RG-217/U (RG-14A/U)	2.7 (P)	9.80	13.8	50.0	7	7.0 rms
RG-218/U (RG-17A/U)	<i>Similar to and substitutes URM-74 and UR-74</i>					
	4.95 (P)	17.30	22.1	50.0	4	11.0 rms





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Item (Replaces)	Conductor Size	Dia over Dielectric	O.D.	Impedance	Attenuation at 200 MHz	Max R.F. operating voltage
NORMAL VALUES						
	(mm)	(mm)	(mm)	(ohms)	(dB/100 m)	kV

Characteristic impedance 70-75 ohms

URM-200	7/0.2 (P)	2.45	4.1	75	23	Foam-PE dielectric
URM-201	0.71 (P)	3.25	5.1	75	16	-do-
URM-202	7/0.25 (P)	3.25	5.1	75	16	-do-
URM-210	7/0.19 (P)	3.25	5.8	75	22	-do-
URM-70 (UR-70)	7/0.19 (P)	3.25	5.8	75	22	1.8 peak
UR-56	0.56 (P)	3.25	5.9	71	18	2.5 peak
URM-117	7/0.212 (P)	3.70	6.0	75	18	2.6 peak
RG-59B/U	0.58 (C)	3.70	6.1	75	16	2.3 rms
RG-59/U	0.63 (P)	3.70	6.2	73	16	2.3 rms
URM-203	1.12 (P)	5.10	7.3	75	11	Foam-PE dielectric
URM-204	1.25 (P)	5.60	7.8	75	10	-do-
UR-54	7/0.193 (P)	3.25	8.3	72	22	1.8 peak
URM-206	1.4 (P)	6.35	8.7	75	8 F	Foam-PE dielectric
RG-11A/U	7/0.41 (P)	7.25	10.3	75	11	5.0 rms
UR-59	1.12 (P)	7.25	10.3	75	9	5.0 peak
URM-65 (UR-65)	1.15 (P)	7.25	10.3	75	9	5.0 rms
RG-216/U (RG-13A/U)	7/0.41 (T)	7.25	10.8	75	15	5.0 rms
UR-21	1.42 (P)	8.40	11.5	71	8	5.0 peak
UR-60	1.12 (P)	7.25	11.7	75	9	5.0 peak
RG-34B/U	7/0.64 (P)	11.70	16.0	75	7	6.5 rms
URM-77 (UR-77)	<i>Similar to and substitutes RG-164/U</i>					
	2.65 (P)	17.30	22.0	75	5	12.5 peak

Characteristic impedance 90-125 ohms

RG-62A/U Semi-air spaced	0.64 (C)	3.7	6.1	93	12	0.75 rms
RG-71B/U Semi-air spaced	0.64 (P)	3.7	6.4	93	12	0.75 rms
RG-63 B/U Semi-air spaced	0.64 (P)	7.25	10.3	125	9	1.00 rms
RG-22/U	2×7/0.38 (P)	7.25	10.3	95	20	1.00 rms
UR-78	0.61 (P)	7.25	10.3	100	11	3.7 rms
RG-57A/U Twin conductor	2×7/0.12	12.0	15.9	95	12	3.0 rms

Note: If you have a new or unusual application or if you cannot find a cable in this section which meets your requirement, then, please contact us. We can design a custom-made cable for you.

P=Plain copper, T=Tinned copper, S=Silver plated, C=Copper coated steel.

Colour: Sheathing — grey/black/white.

Packing: As per customer requirements

