

**RG59 DUAL
RG59 TRI
RG59 QUAD**



Structure	Material	RG59 DUAL	RG59 TRI	RG59 QUAD
Conductor	BC/CCS	0.81mm (20AWG, 0.032")		
Dielectric	FPE	3.66mm (0.144")		
1st Shield	Al Foil	100%, Overlap >2mm		
2nd Shield	BC or Al Braiding	40%-95%		53%
3rd Shield	Al Foil	-	100%, Overlap >2mm	
4th Shield	BC or Al Braiding	-	-	40%
Jacket PVC/PE	Outer Diameter	6.1mm (0.24")	6.1mm (0.24")	6.73mm (0.265")
	Nominal Thickness	0.81mm (0.032")	0.76mm (0.030")	0.86mm (0.034")
Messenger	Steel	1.30mm		

Dielectric Adhesion		>20N/5cm
Breaking Strength of Messenger		82kgf
Impedence		75±3 Ohm
Capacitance		50±3.0 nf/KM
Velocity of Propagation		83±2%
Shielding Effectiveness	55MHz	≥ 60dB
	300MHz	≥ 70dB
	1000MHz	≥ 70dB
Return Loss (100% swept)	1~470MHz	≥ 22dB
	470~1000MHz	≥ 20dB
	1000~2200MHz	≥ 18dB

For CATV			For Satellite	
Frequency(MHZ)	Max.(dB/100m)	Max. (dB/100ft)	Frequency(MHZ)	Max.(dB/100m)
5	2.82	0.86	1	1.15
55	6.73	2.05	10	3.61
83	8.04	2.45	50	5.70
187	11.81	3.60	100	8.20
211	12.47	3.80	200	11.61
250	13.45	4.10	400	16.73
300	14.60	4.45	700	22.13
350	15.75	4.80	900	27.37
400	16.73	5.10	1000	28.85
450	17.71	5.40	1200	31.61
500	18.70	5.70	1450	34.78
550	19.52	5.95	1800	38.72
600	20.34	6.20	2200	42.78
750	22.87	6.98		
865	24.67	7.52		
1000	26.64	8.13		

**RG6 DUAL
RG6 TRI
RG6 QUAD**



Structure	Material	RG6 DUAL	RG6 TRI	RG6QUAD
Conductor	BC/CCS	1.02mm (18AWG, 0.04")		
Dielectric	FPE	4.57mm (0.18")		
1st Shield	Al Foil	100%, Overlap >2mm		
2nd Shield	BC or Al Braiding	30%-95%		60%
3rd Shield	Al Foil	-	100%, Overlap >2mm	
4th Shield	BC or Al Braiding	-	-	40%
Jacket PVC/PE	Outer Diameter	6.91mm (0.272")	7.02mm (0.276")	7.62mm (0.30")
	Nominal Thickness	0.76mm (0.030")	0.76mm (0.030")	0.86mm (0.034")
Messenger	Steel	1.30mm or 1.83mm		

Dielectric Adhesion		>20N/5cm
Breaking Strength of Messenger		1.30mm 82kgf, 1.83mm 166kgf
Impedence		75±3 Ohm
Capacitance		50±3.0 nf/KM
Velocity of Propagation		83±2%
Shielding Effectiveness	55MHz	≥ 60dB
	300MHz	≥ 70dB
	1000MHz	≥ 70dB
Return Loss (100% swept)	1~470MHz	≥ 22dB
	470~1000MHz	≥ 20dB
	1000~2200MHz	≥ 18dB

For CATV			For Satellite	
Frequency(MHZ)	Max.(dB/100m)	Max. (dB/100ft)	Frequency(MHZ)	Max.(dB/100m)
5	1.90	0.58	1	0.82
55	5.25	1.60	10	2.30
83	6.40	1.95	50	4.79
187	9.35	2.85	100	6.40
211	10.00	3.05	200	8.96
250	10.28	3.14	400	12.46
300	11.64	3.55	700	17.05
350	12.63	3.85	900	19.34
400	13.61	4.15	1000	20.65
450	14.43	4.40	1200	22.30
500	15.09	4.60	1450	24.91
550	16.08	4.90	1800	26.58
600	16.73	5.10	2200	32.12
750	18.54	5.65		
865	20.01	6.10		
1000	21.48	6.55		