

RG11 SERIES

Physical Dimensions

Component		Standard Shield mm	Tri Shield mm	Quad Shield mm
Center Conductor		1.63	1.63	1.63
Dielectric		7.11	7.11	7.11
Outer Conductor		7.98	8.11	8.83
Jacket		10.03	10.03	10.29
Jacket Wall Thickness		1.05	0.96	0.75
Messenger	single	1.83	1.83	1.83
	dual	2.77	2.77	2.77

Mechanical Characteristics

Minimum Breaking Strength of Messenger	single	166kgf
	dual	816kgf
Dielectric Adhesion		>20N/5cm

Notes:

1. The conductivity should be more than 23% when CCS is used as inner conductor.
2. 60% coverage for inner shield, 42% coverage for outer shield.

Electrical Characteristics

Capacitance		50±3.0 nf/km
Impedance		75±3.0 ohms
Velocity of Propagation		85%
Shielding Effectiveness	55MHz	≥60dB
	300MHz	≥70dB
	1000MHz	≥70dB
Return Loss (100% swept)	1 ~ 470MHz	≥22dB
	470 ~ 1000MHz	≥20dB
	1000 ~ 2200MHz	≥18dB

Attenuation (20 °C)

For CATV		For Satellite	
Frequency(MHz)	Maximum(dB/100m)	Frequency(MHz)	Maximum(dB/100M)
5	1.25	1	0.66
55	3.15	10	1.48
83	3.87	50	3.12
187	5.74	100	4.43
211	6.23	200	6.40
250	6.72	400	9.91
300	7.38	700	14.27
350	7.94	900	17.03
400	8.53	1000	18.34
450	9.02	1450	21.95
500	9.51	1800	24.51
550	9.97	2200	27.20
600	10.43		

750	11.97		
865	13.05		
1000	14.27		