



SHG CABLE LTD

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PRODUCT : RG59/U for CCTV, sweep test to 3GHz

1: CONSTRUCTION

Item	RG59/U	RG59/U - 2C/18AWG
Inner Conductor	BC 0.813mm (20AWG)	
Insulation	Gas Injected Foam PE 3.71mm	
Foil (Optional)	--	
Shield (Braid)	95% BC or CCA	
Power wire (18AWG)	--	7/26AWG BC Strand
Power Insulation	--	1.80mm PP (Red / Black)
Outer Jacket	6.10mm PVC	11.0*6.10mm PVC
(UL) Rated	CM, CMX, CMR, CL2, CATV	

Remark:

BC = Bare Copper , CCA = Copper Clad Aluminum
Further type and special type upon request.



2: ELECTRICAL PROPERTIES (@20°C)

- 2-1 CAPACITANCE : 53+/-2 pF/m
- 2-2 IMPEDENCE : 75±3Ω
- 2-3 Nominal Velocity of Propagation 85%
- 2-4 Spark Test: 2000VAC
- 2-5 ATTENUATION (dB/100m): (fig.1)
- 2-6 RETURN LOSS : (fig.2)

ATTENUATION @20°C fig.1)

	RG59/U
Frequency	Nom. Atteuation
(MHz)	(dB/100m)
5	1.75
50	4.95
100	7.20
200	9.50
400	14.20
700	18.90
860	20.80
1000	23.60

RETURN LOSS (fig.2)

Frequency	Return Loss
(MHz)	(dB)
VHF (50~470)	≥28
UHF (470~1000)	≥23
UHF (1000~2400)	≥20

3: APPROVALS

