



# SHG CABLE LTD

Add: Linglong Industry Zone, Linan Zhejiang, 311300 P.R.C.

Tel: 0086-571-61062382

Fax: 0086-571-61062383

Website: [www.shgcable.com](http://www.shgcable.com)

E-mail: [info@shgcable.com](mailto:info@shgcable.com)

## PRODUCT : Series RG59/U Standard / Tri / Quad Shield

### 1: CONSTRUCTION

Item	Standard Shield	Tri-Shield	Quad Shield
Inner Conductor	0.813mm(20AWG) BC / CCS		
Insulation	Gas Injected Foam PE 3.71mm		
Shield (1st Foil)	Bonded Aluminum Foil		
Shield (1st Braid)	60% Al-Mg wire (or 40% - 95% optional)		
Shield (2nd Foil)	--	Unbonded Aluminum Foil	
Shield (2nd Braid)	--	--	40% Al-Mg wire
Jacket (Material)	PVC (FR, UV) (Available PE, LSF, LSZH)		
Jacket (OD)	6.10mm	6.20mm	6.65mm
Messenger(optional)	1.16mm Steel	1.16 / 1.30mm Steel	
Jelly/APD (optional)	Per customer's special requirement		

Remark: *BC = Bare Copper; C.C.S = Copper Clad Steel  
Construction & materials changeable 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 :82%
- 2-4 ATTENUATION (dB/100m): (fig.1)
- 2-5 RETURN LOSS : (fig.2)

#### ATTENUATION @20°C fig.1)

	Standard Shield	Tri Shield	Quad Shield
Frequency (MHz)	Nom Atteuation (dB/100m)		
5	2.00	2.00	2.00
50	5.60	5.60	5.60
100	7.70	7.70	7.70
200	9.90	9.90	9.90
470	15.40	15.40	15.35
550	16.30	16.30	16.25
860	23.10	23.10	23.00
1000	26.40	26.40	26.20

#### RETURN LOSS (fig.2)

Frequency (MHz)	Return Loss (dB)
VHF	≥25
UHF	≥22



Standard



Tri-Shield



Quad Shield



Messenger

### 3: APPROVALS

