



SHG CABLE LTD

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PRODUCT: RG-6U Standard / Tri / Quad Shield

1. CONSTRUCTION

Item	Standard Shield	Tri-Shield	Quad Shield
Inner Conductor	1.024mm (18AWG) BC or C.C.S		
Insulation	Gas Injected Foam PE 4.57mm		
Shield (1st Foil)	Bonded Aluminum Foil		
Braid (1st Braid)	60% Al-Mg wire		
Shield (2nd Foil)	--	Unbonded Aluminum Foil	
Braid (2nd Braid)	--	--	40% Al-Mg wire
Jacket (Sheath)	PVC (FR, UV) (Available PE, LSF, LSZH)		
Outer Jacket	6.91mm	7.06mm	7.54mm
Messenger(optional)	1.16 / 1.30mm Steel or CCS		
Jelly/APD (optional)	Available per customer's requirement		

Remarks: 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 :	85%
2-4 ATTENUATION (dB/100m):	(fig.1)
2-5 RETURN LOSS :	(fig.2)



ATTENUATION @20°C (fig.1)

Frequency (MHz)	Nom Attenuation (dB/100m)		
	Standard Shield	Tri Shield	Quad Shield
5	1.50	1.50	1.50
50	4.70	4.70	4.65
100	5.50	5.50	5.40
200	8.60	8.55	8.50
470	11.30	11.20	11.15
550	14.30	14.10	14.05
860	19.80	19.60	19.50
1000	20.60	20.40	20.30

RETURN LOSS (fig.2)

Frequency (MHz)	Return Loss (dB)
VHF (50~470)	≥25
UHF (470~1000)	≥22

4: RELATED CONNECTORS



3. APPROVALS

