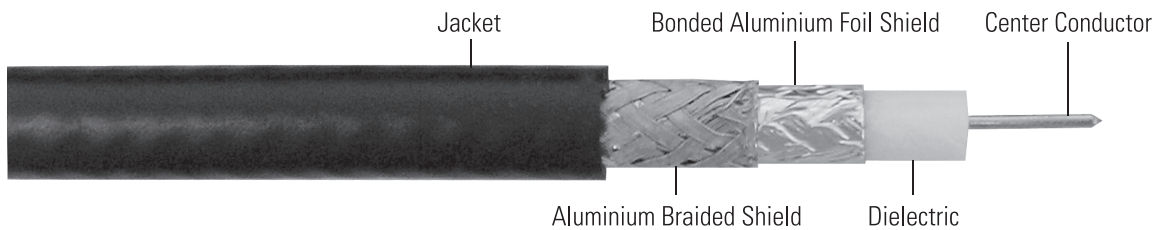


COMMSAT™

SATELLITE CABLE

SMATV DIGITAL COAXIAL CABLE RG6U (3GHz)



MECHANICAL SPECIFICATIONS

	MATERIAL	DIAMETER
Inner Conductor	Copper Clad Steel	1.02mm (0.04") ± 0.03 (18 gauge)
Dielectric	Foam PE Polyethylene	4.57mm (0.18") ± 0.1
Sheath (Nominal OD)	PVC Black	6.9mm (0.272") ± 0.2
Nominal Jacket Thickness	PVC	0.76mm (0.30")
Shield		
- Outer Conductor 1	Bonded Aluminium Foil	
- Outer Conductor 2	Aluminium Braid Wire, 95% Braiding (64 x 0.16mm Al-Mg Wire)	
Shipping Weight (lbs/1000')	34 lbs	
Temperature		
- Minimum Installation Temperature	> -5° C	
Operating Temperature	- 40° C to + 80° C	

ELECTRICAL SPECIFICATION

Typical attenuation @ 68° F (20° C)

55	211	400	600	870	1000	1450	2000	2500	3000	MHz
1.90	9.01	12.12	15.34	19.50	21.46	25.89	30.64	34.28	37.57	dB/100m

RETURN LOSS

10	100	450	600	850	1000	1750	2150	3000	MHz
-30.56	-28.09	-26.05	-27.61	-25.71	-25.88	-21.69	-21.66	-20.51	dB

Typical Impedance at 200MHz - 75 ohms $\pm$ 0.3%

Typical Capacitance (pf/m) - 53pf $\pm$ 3/m

Propagation Velocity - 85%

Screening Factor - VHF > 80dB

- UHF > 75dB

Standard (Safety) - National Electric Code (NEC)

- Canadian Electric Code (CEC)