

2. Coaxial Cables



Application

RG6 75 Ohm coaxial is used for cable television, satellite television and cable modems. Can expect distances of about 305m - 457m. Steel wire braid provides outdoor protection against harsh handling.

Suitable for high EMI environments.

Fire Rating

- IEC 60332-1, IEC 61034-2, IEC 60754-1/2, IEC 60332-3C(SWB)

75 Ohm Coaxial Cable, RG6 BC, APA, 95% TCB, SWB

Construction

Material	Detail	mm
Inner Conductor	Bare Copper (BC)	1.02
Dielectric	Foam PE	4.57
First Shield	Aluminium Polymer Aluminium (APA) Bonded	4.75
Second Shield	36 AWG Tin Copper Braid (TCB) 95% coverage	N.A
Inner Jacket	PVC / LSZH	N.A
Armour	Steel Wire Braid (SWB)	N.A
Outer Jacket	PVC / LSZH	6.93
Fire Performance	IEC 60332-1	N.A
Bending Radius		10 x O.D.

Electrical Characteristics

Impedance, Ω	75 $\pm$ 3.0 Ohm
Capacitance, Nominal	52 $\pm$ 3 pF/m
Velocity of Propagation, %	> 83 %
Return Loss	5 - 1000 MHz $\geq$ 20dB 1000 - 3000 MHz $\geq$ 20dB

Ordering Information

P/N	Product Description	P.U
RG6178B	RG6, BC, 95% Tin Copper Braid, PVC, SWB, 75 Ohm, Armoured	500m/reel
RG6278B	RG6, BC, 95% Tin Copper Braid, LSZH, SWB, 75 Ohm, Armoured	500m/reel