

2. Coaxial Cables

Application

Any device that functions as a transmitter or transceiver tends to use 50 Ohm Coaxial Cable. Widely used for radiocommunication and amateur radio, thin Ethernet (10BASE2) and Nuclear Instrumentation Module electronics.

Suitable for high EMI environments.

Fire Rating

- IEC 60332-1, IEC 61034-2, IEC 60754-1/2, MIL-C17

50 Ohm Coaxial Cable, RG58, STC, 95% TCB

Construction

Material	Detail	mm
Inner Conductor	Stranded Tin Copper (19*32)	0.94
Dielectric	Solid PE	2.90
First Shield	36 AWG Tinned Copper Braid (TCB) 95% coverage	N.A
Jacket	PVC / LSZH	4.93
Fire Performance	IEC 60332-1	N.A
Bending Radius		10 x O.D.

Electrical Characteristics

Impedance, Ω	50 $\pm$ 3.0 Ohm
Capacitance, Nominal	87 $\pm$ 3 pF/m
Velocity of Propagation, %	> 73 %
Return Loss	5 - 1000 MHz $\geq$ 20dB

Ordering Information

P/N	Product Description	P.U
RG8156	RG58, Stranded TC, 95% Tin Copper Braid, PVC, 50 Ohm	500m/reel
RG8756	RG58, Stranded TC, 95% Tin Copper Braid, PVC CM, 50 Ohm	500m/reel
RG8256	RG58, Stranded TC, 95% Tin Copper Braid, LSZH, 50 Ohm	500m/reel