

2. Coaxial Cables



Application

Any device that functions as a transmitter or transceiver tends to use 50 Ohm Coaxial Cable. Widely used for industrial and commercial two-way radio frequency applications (including radio, and telecommunications). Used for high-frequency signal transmission.

Suitable for high EMI environments.

Fire Rating

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

50 Ohm Coaxial Cable, RG214 Stranded BC, 94% 97% SCB

Construction

Material	Detail	mm
Inner Conductor	Stranded Bare Copper Braid	7 x 0.75
Dielectric	Solid PE	7.25
First Shield	34 AWG Silver-plated Copper Braid (SCB) 94% coverage	N.A
Second Shield	34 AWG Silver-plated Copper Braid (SCB) 97% coverage	N.A
Jacket	PVC / LSZH	10.80
Fire Performance	IEC 60332-1	N.A
Bending Radius		10 x O.D.

Electrical Characteristics

Impedance, Ω	50 \pm 3.0 Ohm
Capacitance, Nominal	101 \pm 3 pF/m
Velocity of Propagation, %	> 66 %
Maximum Operating Voltage VRMS	3.7 kV
Spark Test	5.0 kV

Ordering Information

P/N	Product Description	P.U
RG4157	RG214, Stranded BC. 94%/97% Silver Copper Braid, PVC, 50 Ohm	500m/reel
RG4257	RG214, Stranded BC. 94%/97% Silver Copper Braid, LSZH, 50 Ohm	500m/reel