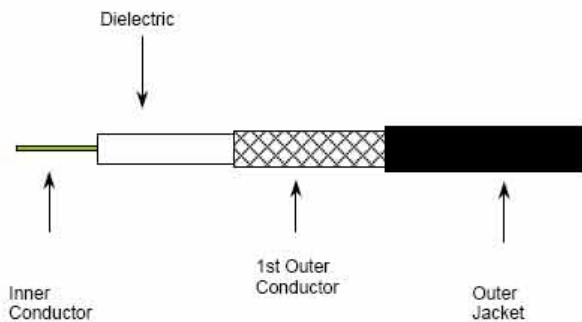


Type: RG-174



Series 174 Coaxial Cable

Stranded Copper Clad Steel
Conductor
Solid Polyethylene Dielectric
90% Tinned Copper Braid
Black PVC Jacket

Cable Ordering Information

Part Number	MI Number	NEC / CSA Listing	
RG-174	TU-1620	none	MIL-C-17F/119F

Characteristics

Material	Detail	inches	mm
Inner Conductor	Stranded Copper Clad Steel	7/34AWG	7/0.16
Dielectric	Solid Polyethylene	0.060	1.52
1 st Outer Conductor	---	---	---
2 nd Outer Conductor	90% Tinned Copper Braid	0.077	1.95
3 rd Outer Conductor	---	---	---
4 th Outer Conductor	---	---	---
Floodant	---	---	---
Jacket	Black PVC	0.110	2.80
Twisted Pairs	---	---	---
Messenger	---	---	---

Mechanical Specifications

Minimum Bend Radius, in. (mm)		0.50	12.7
Product Weight	(less reel)	8.7 lbs /kft	13 kg/km

Electrical Specifications		
Characteristic Impedance, Ω	50 $\pm$ 5	
Velocity of Propagation, %	69	
Capacitance, Nominal	30.8 pF/ft	101 pF/m
DC Resistance	Ω / kft	Ω / km
Inner Conductor	97	318
Outer Conductor	11.2	36.6
Loop	108.2	355

Attenuation, Nominal @ 68 °F (20 °C)		
Frequency, MHz	dB / 100 ft	dB / 100 m
10	3.3	10.83
50	5.8	19.03
100	8.4	27.56
200	12.5	41.01
400	19.0	62.34
700	27.0	88.58
900	31.0	101.71
1000	34.0	111.55