



RG-59 COAXIAL CABLE



Description 20 gauge (0.81mm) copper covered steel center conductor; gas expanded polyethylene dielectric; inner shield aluminum foil overlap bonded to dielectric; outer shield of bare aluminum braid wire; jacket of PVC

Physical Dimensions

Center Conductor	0.81± 0.01mm Copper Clad Steel
Dielectric	3.66 ± 0.05mm Foam PE
Shield	Bonded AL Foil 100%
Braid Coverage	60% x 16 x 3 x 0.16 ± 0.005mm AL Wire
Jacket	6.10 ± 0.05mm PVC

Mechanical Characteristics

Operating Temperature Range	0°C to +75°C
Max. Recommended Pull Tension	23.587 kg
Min. Bend Radius (Install)	0.508 mm

Electrical Characteristics

Impedance	75 ± 3 Ohm
Capacitance	54 ± 3pF/m
Velocity of Propagation	85%
Return Loss	23dB (5-850MHz) / 21dB (851-1000MHz)

Attenuation

Attenuation		[@68°F (20°C)	
Frequency (MHz)	Max. (dB/100 ft)	Frequency (MHz)	Max. (dB/100 ft)
5	0.86	400	5.10
55	2.05	450	5.40
83	2.45	500	5.70
187	3.60	550	5.95
211	3.80	600	6.20
250	4.10	750	6.97
300	4.45	865	7.52
350	4.80	1000	8.12

Marking or Printing on Jacket:

RG-59U Coaxial Cable 75 Ohm
PHILFLEX 001M – 150M

Packing

150 M/Plastic Reel, 2 Reels/Box
Plastic Reel Size: 7.5 x 27 x 13.5 cm
Box Size: 28 x 28 x 29 cm



PHILFLEX®



No. 1 Wires & Cables Brand
Serving the Local & Global Market
A True Super Brand!

