

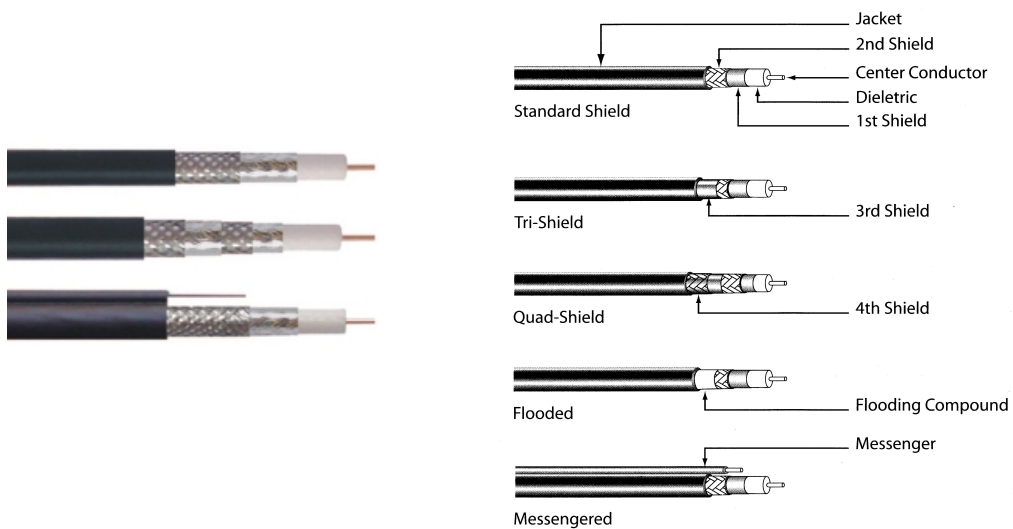
# SPECIFICATION

## RG59 COAXIAL CABLES

### Standard Construction:

20 AWG, 0.032in (0.81mm) Copper Covered Steel Center Conductor; Gas Expanded Polyethylene Dielectric; Inner Shield Aluminum-Polypropylene-Aluminum laminated tape with overlap bonded to dielectric; Outer Shield of 34 AWG Aluminum wire braid shield; Outer Black Jacket of Polyvinylchloride (PVC). Nominal O.D 0.24in (6.10mm).

Other options are available upon request.



### Attenuation at 20°C

Frequency (MHz)	Maximum (db/100ft)	Maximum (db/100m)
5	0.86	2.82
55	2.05	6.73
211	3.80	12.47
250	4.10	13.45
350	4.80	15.75
400	5.10	16.73
450	5.40	17.72
500	5.70	18.70
550	5.95	19.52
600	6.20	20.34
750	6.97	22.87
865	7.52	24.67
1000	8.12	26.64
1200	8.97	29.40
1450	9.88	32.41
1750	10.99	36.04
2000	0.86	2.82



**Cable Physical Construction**

Component	Standard Shield	Tri-Shield	Quad-Shield
	Inches (mm)	Inches (mm)	Inches (mm)
Nominal Center Conductor Diameter	0.032 (0.81)	0.032 (0.81)	0.032 (0.81)
Nominal Diameter Over Dielectric	0.144 (3.66)	0.144 (3.66)	0.144 (3.66)
Nominal Diameter Over First Shield (Tape)	0.151 (3.84)	0.151 (3.84)	0.151 (3.84)
Nominal Diameter Over Jacket	0.240 (6.10)	0.240 (6.10)	0.265 (6.73)
Nominal Jacket Wall Thickness	0.032 (0.81)	0.030 (0.76)	0.034 (0.86)
Nominal Diameter of Steel Messenger	0.051 (1.30)	0.051 (1.30)	0.051 (1.30)
Shield : Foil	Aluminum Laminated Foil, Bonded to Dielectric		
Shield : 2nd Foil	N/A	Alu. Laminated Foil	Alu. Laminated Foil
Braid :	Aluminum Wire, 60% Coverage		
Braid : 2nd Braid	N/A	N/A	Aluminum Wire, 35% Coverage

**Electrical Characteristics at 20°C**

Nominal Impedance	75 Ω
Nominal Velocity of Propagation	85%
Shielding Effectiveness	>100db
Capacitance	50.0 pF/m (nom.)

**Mechanical Characteristics**

Minimum Breaking Strength of Messenger	180 lbs. 80Kg
Cable Temperature Rating	Temp -20°C to 70°C

**Part Number**

