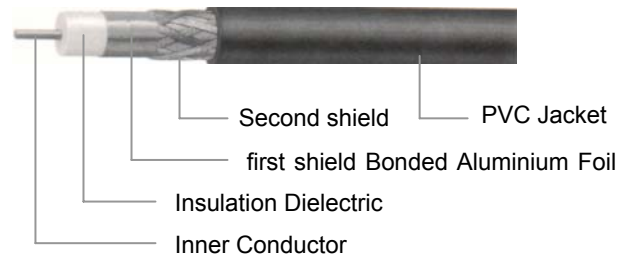


# RG59 CATV/MATV Coaxial Drop Cable



**Part Number: D1-RG59/S40**

Physical Dimensions		
Inner Conductor	Material	20AWG Copper-Clad Steel
	Dia. ,mm	0.032" (0.81 mm)
Insulation	Material	Gas Expanded Polyethylene
	Dia. ,mm	0.144" (3.66 mm)
Outer conductor	First shield	Bonded aluminum Mylar Tape
	Second shield	Aluminum Braid Wire
	Dia. ,mm	0.146" (3.71 mm)
Jacket	Material	Flame Retardant PVC Jacket
	Thickness ,mm	0.033" (0.85 mm)
	Dia. ,mm	0.232" (5.90 mm)
Mechanical Characteristics		
Adhesion Force (> N) (Sample of 300mm long)		20
Electrical Characteristics		
Nominal Impedanc , $\Omega$		75 $\pm$ 3.0
Capacitance, pF/m		16.2 pF/ft (53.1 pF/m)
Propagation velocity, %		85
DC breakdown voltage, KV		3.0
Insulation resistance , M $\Omega$ ·Km		>5 $\times$ 10 <sup>3</sup>
Normal DC Resistance (20°C, $\Omega$ /km)	Inner conductor	33.5
	Outer conductor	48.8
	Loop	82.3



Attenuation (20°C, @dB/100m)	
5 MHz	2.82
55 MHz	6.73
211 MHz	12.47
250 MHz	13.45
350 MHz	15.75
400 MHz	16.73
450 MHz	17.72
500 MHz	18.70
550 MHz	19.52
600MHz	20.34
750 MHz	22.87
865 MHz	24.67
1000 MHz	26.64
1200MHz	29.40
1450MHz	32.41
1750MHz	36.04
Shielding effectiveness, > dB	
55 MHz	68
300 MHz	70
1000 MHz	70
Return loss, > Db	
VHF	20
UHF	20

- Adhesion force means the separating force between inner conductor and dielectric.
- Attenuation increases at higher temperature. The temperature coefficient is 0.18%/°C.
- The package type and dimension can be decided according to customer demands.