

RG59 3G COAXIAL CABLE

Description

RFI RG59 coaxial cable came in either bare copper or copper-covered steel center conductor, with gas-injected foam polyethylene insulation. It has a 100% foil coverage and a 60% aluminium braid shield coverage. The outer jacket can either be PVC or PE.

Application

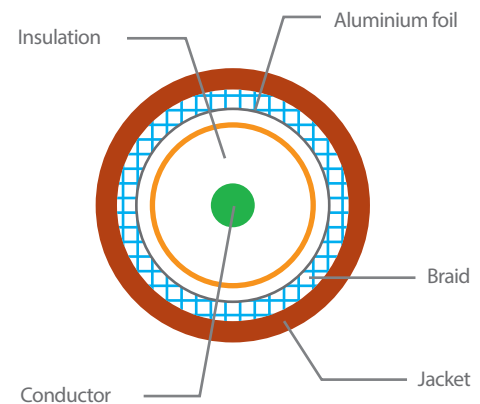
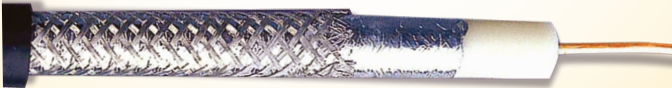
- Broadband CATV

Features

- 20 AWG Bare Copper or Copper-covered Steel
- Tested up to 3GHz
- CM rated
- RoHS compliance
- PE Jacket for Outdoor used

Standard and Compliance

- UL CATV, CATVX
- RoHS



Physical Specifications

Conductor	
AWG	20
Stranding	
	Solid
Diameter(mm)	0.81 ± 0.01
Material	
	Bare Copper or Copper-covered Steel
Insulation	
Material	Foam Polyethylene
Diameter (mm)	3.7 ± 0.10
Nom. Thickness (mm)	1.44
Outer Shield	
Foil Material	Bonded Aluminium Foil
Foil Coverage	100%
Braid Material	Aluminium Braid
Braid Coverage	70%
Braid Structure	64 x 0.16 ± 0.002 mm
Diameter (mm)	4.45 ± 0.1
Outer Jacket	
Material	PVC or PE
Diameter (mm)	6.8 ± 0.20
Nom. Thickness (mm)	0.77

Electrical Characteristics

Characteristics Impedance (Ω)	75 ± 3
Conductor DC Resistance (Ω/km)	≤ 35.1
Insulation Resistance (MΩ.km)	≥ 5000
Capacitance (pF/m)	54 ± 3

Attenuation at 20°C

Frequency (MHz)	Nom. Attn. (dB/100m)
55	≤ 6.95
250	≤ 13.6
300	≤ 14.8
400	≤ 17.0
550	≤ 19.0
750	≤ 24.4
870	≤ 26.5
1000	≤ 28.5
1450	≤ 34.8
1750	≤ 38.5
2050	≤ 42.0
2250	≤ 44.5
3000	≤ 49.7

Return Loss at 20°C

Frequency (MHz)	Return Loss (dB)
5 ~ 470	≥ 23
470 ~ 1000	≥ 20
1000 ~ 2400	≥ 15
2400 ~ 3000	≥ 12

Ordering information

Part No.	Description
RCC-59S6033-1yx	RG59 BC 3GHz Standard Shield 70% Al. Braid Coaxial Cable, CM, PVC, 305m
RCC-59S4033-1yx	RG59 CCS 3GHz Standard Shield 70% Al. Braid Coaxial Cable, CM, PVC, 305m
RCC-59S6032-1yx	RG59 BC 3GHz Standard Shield 70% Al. Braid Coaxial Cable, PE, 305m
RCC-59S4032-1yx	RG59 CCS 3GHz Standard Shield 70% Al. Braid Coaxial Cable, PE 305m

*y = 0 - blue, 1 - orange, 2 - aqua, 3 - sky blue, 4 - grey, 5 - white, 6 - red, 7 - black, 8 - yellow, 9 - purple

*x = A, H

*Other length available upon request