

# RG6 3G COAXIAL CABLE

## Description

RFI RG6 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 up to 90% aluminium braid shield coverage. The outer jacket can either be PVC or PE.

### Application

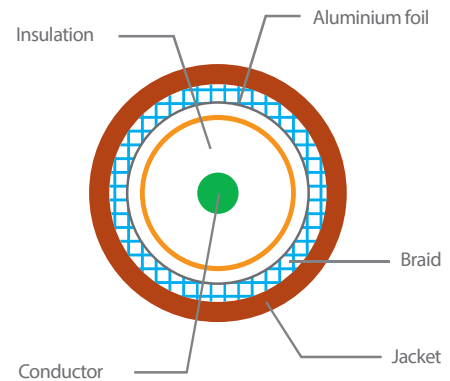
- Broadband CATV

### Features

- 18 AWG Bare Copper or Copper-covered Steel
- Tested up to 3GHz
- CM rated

### Standard and Compliance

- UL CATV, CATVX
- RoHS



## Physical Specifications

<b>Conductor</b>	
AWG	18
Stranding	Solid
Diameter(mm)	1.02 ± 0.01
Material	Bare Copper or Copper-covered Steel
<b>Insulation</b>	
Material	Foam Polyethylene
Diameter (mm)	4.57 ± 0.10
Nom. Thickness (mm)	1.77
<b>Outer Shield</b>	
Foil Material	Bonded Aluminium Foil
Foil Coverage	100%
Braid Material	Aluminium Braid
Braid Coverage	60% / 90%
Braid Structure	64 x 0.16 ± 0.002 mm
Diameter (mm)	5.32 ± 0.1
<b>Outer Jacket</b>	
Material	PVC or PE
Diameter (mm)	6.8 ± 0.20
Nom. Thickness (mm)	0.74

## Electrical Characteristics

Characteristics Impedance (Ω)	75 ± 3
Conductor DC Resistance (Ω/km)	≤ 95
Insulation Resistance (MΩ.km)	≥ 5000
Capacitance (pF/m)	52 ± 3
Operating Temperature	-40°C ~ 80°C

## Attenuation at 20°C

Frequency (MHz)	Nom. Attn. (dB/100m)
55	≤ 5.4
250	≤ 11.0
300	≤ 11.8
400	≤ 13.6
550	≤ 16.1
750	≤ 19.2
870	≤ 21.0
1000	≤ 23.1
1450	≤ 28.1
1750	≤ 31.6
2050	≤ 34.4
2250	≤ 36.1
3000	≤ 43.0

## 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-06S6023-1yx	RG6 BC 3GHz Standard Shield 60% Al. Braid Coaxial Cable, CM, PVC, 305m
RCC-06S4023-1yx	RG6 CCS 3GHz Standard Shield 60% Al. Braid Coaxial Cable, CM, PVC, 305m
RCC-06S4022-1yx	RG6 CCS 3GHz Standard Shield 60% Al. Braid Coaxial Cable, CM, PE, 305m
RCC-06S4053-1yx	RG6 CCS 3GHz Standard Shield 90% Al. Braid Coaxial Cable, CM, PVC, 305m

\*y = Colour = 5 - white, 7 - black

\*x = Batch = A, H

\*Other length available upon request