

## COAXIAL CABLE, RG59 CU/CCA PVC

### Production Description

RG59 CU/CCA PVC Cable is designed to support such technologies as extended bandwidth satellite service, high definition TV signals, CCTV, and two-way cable modems. The inner conductor is pure copper 23 AWG, the shielding consists of CCA braid 36 AWG Jacket PVC.

### Applications

- CCTV
- Two-way cable modems
- Extended bandwidth satellite service

### Features

- Series RG59, Standard cable with bandwidth that exceeds 3.0 GHz
- Solid polyethylene insulating skin bonds around center conductor
- black jacket colors available

### Benefits

- "Future-proofing" the installation
- Supports extended bandwidth satellite service and high definition TV signals
- Exhibits better transmission characteristics
- Helps differentiate incoming service versus internal cabin infrastructure

### Construction

Construction		Specifications	If particular request by customer
Material		CU	
1. Centre Conductor	Copper		
	Diameter of Component wires (mm)	0.59±1%	
2. Dielectric	Material	Solid Virgin Polyethylene	
	Diameter (mm)	3.70 ± 0.15mm	
3. Braid	Material	CCA Alloy Wires	
	Diameter (mm)	0.12±0.005 ( 36 AWG )	
	Minimum braiding coverage (%)	90 % ( 8*16/0.12 )	
4. Sheath	Material	Black PVC	
	Thickness (mm)	0,75	



Overall Diameter (mm)	6.0 ± 0.2mm
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### Electrical Properties

Conductor Resistance (ohm/km at 20°C)	Max. 63
Insulation Resistance (Mohm· km)	Min. 1000
Capacitance ( mF/km at 1kHz)	54±3
Characteristic Impedance ( at10MHz)	75±3 Ω

### Attenuation@20°C

	(dB/100m)
5MHz	2,88
50MHz	9,51
211MHz	19,99
300MHz	24,01
400MHz	28,11
450MHz	30,07
500MHz	32,06
550MHz	33,5
600MHz	35
750MHz	40,01
860MHz	42,99
1000MHz	46,5

### Part Nnumbers and Physical Characteristics

Part Number	Jacket Color	Package
<b>RG59 CU/CCA PVC</b>	BLACK	305M