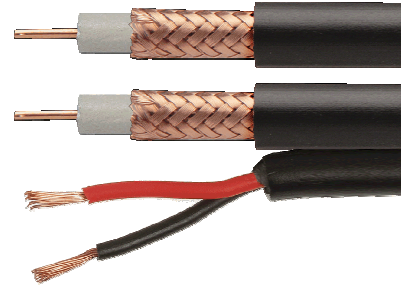




## CCTV RG59/U Coaxial Cable, Solid Copper Conductor, 95% CCA Braid

### Description

Alantek CCTV (Closed circuit Television) coaxial cable RG59/U series, are built for optimal video quality. Nitrogen-CO2 Foamed Polyethylene can achieved excellent transmission property and CCA (Copper Clad Aluminium) braid shielded to minimize interference and provide proper base-band performance.



		RG59/U	RG59/U + 2 x 0.50mm <sup>2</sup>
<b>Recommended Distance</b>		<b>&lt; 160 meter</b>	
<b>Recommended Voltage</b>			<b>110 to 220V</b>
<b>Conductor</b>	<b>Material</b>	Solid Copper	
	<b>Diameter</b>	20 AWG (0.81mm ±0.01mm)	
<b>Dielectric</b>	<b>Material</b>	Foam PE	Foam PE
	<b>Diameter</b>	3.66mm ±0.1mm	
<b>Shield</b>	<b>Material</b>	95% CCA	
<b>Jacket</b>	<b>Material</b>	UV Black PVC	
	<b>Thickness</b>	0.81mm	
	<b>Diameter</b>	6.0mm ± 0.2mm	6.0 x 4.3mm ±0.15mm
<b>Power Conductor</b>	<b>Material</b>		Stranded Copper
	<b>Size</b>		2 x 0.50mm <sup>2</sup> (16x0.20mm)
	<b>Insulation</b>		PE (Red, Black)
	<b>Diameter</b>		1.7mm

Frequency	Maximum (dB/100ft)	Maximum (dB/100m)
5 MHz	0.80	2.60
55 MHz	2.03	6.67
211 MHz	3.77	12.35
250 MHz	4.10	13.45
350 MHz	4.76	15.60
400 MHz	5.05	16.57
450 MHz	5.35	17.55
500 MHz	5.65	18.52
550 MHz	5.90	19.33
600 MHz	6.14	20.14
750 MHz	6.91	22.65
865 MHz	7.45	24.43
1000 MHz	8.05	26.38

### Electrical Characteristics at 20°C

<b>Nominal Impedance</b>	75Ω ±3
<b>Return Loss</b>	≥ 20dB
<b>Nominal Velocity of Propagation</b>	85%
<b>Capacitance</b>	50.0 pF/m (nom.)

### Mechanical Characteristics

<b>Recommended Minimum Bent Radius</b>	48mm
<b>Cable Temperature Rating</b>	-20°C to 70°C

Part #	Description
301-RG5900-SSBK-14Y3	CCTV RG59/U Coaxial Cable 75 Ohms, Solid Copper Conductor, 95% CCA Braid, PVC Black, 305m
301-RG590C-SSBK-14Y3-0500	CCTV RG59/U Coaxial Cable 75 Ohms, Solid Copper Conductor, 95% CCA Braid, with 2-Core 0.50mm <sup>2</sup> Power conductor, PVC Black, 305m