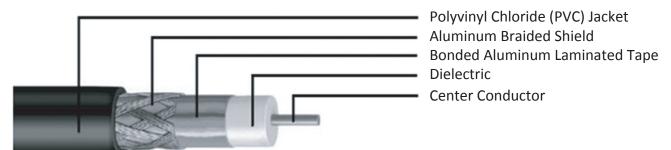
# **CONNECSYS**

### **RG 6 Coax Cable**

#### Description

18 AWG Copper Cover Steel Center Conductor, Gas Expanded Polyethylene, Bonded Aluminum Laminated Tape, Aluminum Braided Shield and Polyvinyl Chloride Jacket.



## Suitable Applications Closed-Circuit Television, SMATV.

Physical Characteristics				
Items	Description	Nominal Diameter		
Center Conductor	18 AWG Copper Cover Steel	1.02 mm		
Dielectric	Gas Expanded Polyethylene	4.57 mm (Over Dielectric)		
Shields	Shield 1 : Laminated Aluminum Tape Bonded to Dielectric Shield 2 : 34 AWG Aluminum Braid Wire (60% Coverage)	4.75 mm (Over Tape) 0.16 mm		
Jacket	Polyvinyl Chloride (PVC)	6.90 mm (Over Jacket)		

Electrical Characteristics				
Impedance	75 ± 3.0 Ohms			
Velocity of Propagation	85.0% Nominal			
Structural Return Loss	5 MHz − 1000 MHz ≥ 20 dB 1000 MHz − 3000 MHz ≥ 15 dB			
Nominal DC Resistance	Center Conductor: 100.1 Ohms/km Outer Conductor: 34.4 Ohms/km			

Attenuation @ 68°F (20°C)				
Frequency (MHz)	dB/100m Maximum	Frequency (MHz)	dB/100m Maximum	
5	2.104	600	15.321	
55	5.013	750	17.196	
83	5.969	865	18.537	
187	8.406	1000	20.010	
250	9.683	1200	21.992	
300	10.639	1450	24.275	
350	11.505	1800	27.299	
400	12.399	2200	30.426	
450	13.146	2400	31.918	
500	13.900	2800	34.649	
550	14.614	3000	36.018	

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