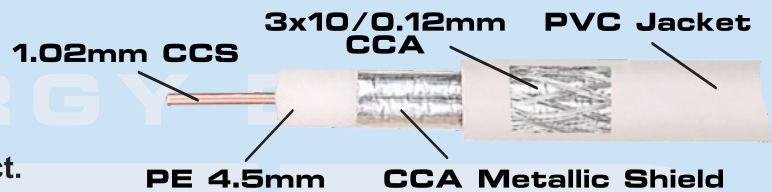


# TED Coaxial Cable RG6 75Ω CCS

RG6 CCS type of 75Ω coaxial cable is a cable television (CATV) distribution coax, used to route cable television signals to and within homes. CATV distribution coax has a Copper-Clad Steel (CCS) center conductor and a combination aluminum foil/aluminum braid shield, typically with low coverage (about 60%). For a maximum length of 20 meters for a cable segment, it can provide the performance offered by an RG6 standard cable. Cables attenuate a signal in direct proportion to length. Attenuation increases with frequency due to skin effect.



Construction						
Conductor	1.02 mm CCS (Copper-Clad Steel)					
Stranding	Solid					
Insulation	4.5 mm PE					
Shield	CCA Metallic & 3x10/0.12 mm CCA					
Diameter Over Insulation	5 mm					
Jacket Color	White					
Mechanical Characteristics						
Sheath Tensile Strength	5 MPa					
Minimum Bending Radius	60 mm					
Normal Weight	19 kg/km					
Operating Temperature	-20°C +70°C					
Installation Temperature	-5°C +40°C					
Product Length	100 m					
Fire Resistant	No					
Fire Rating	No					
Electrical Performance						
Characteristic Impedance	75 Ohm +/- 3 Ohm					
Operating Frequency (MHz)	1-2000					
Attenuation at Typical Frequencies(dB/1m)	55MHz	211MHz	400MHz	870MHz	1000MHz	2000MHz
	0.1	0.2	0.3	0.4	0.42	0.60
VSWR 50-2000 MHz	2.5 Maximum					
Maximum Pull Tension	28 lbs					
Characteristic Impedance (Ohms)	75					
Screw (ns/100m)	60					
Nominal Velocity of Propagation (%)	45					

**Category 5e (cat.5e) cable, also known as Enhanced Category 5, is designed to support full-duplex Fast Ethernet operation and Gigabit Ethernet.**

**The performance requirements have been raised slightly in the new standard.**

**Cat.5e has stricter specifications for Power Sum Equal-Level Far-End Crosstalk (PS-ELFEXT), Near-End Crosstalk (NEXT), Attenuation, and Return Loss (RL) than those for cat.5.**

**Like cat.5, cat.5e is a 100 MHz standard, but it has the capacity to handle bandwidth superior to that of cat.5.**

**Cat.5 cable is typically used for Ethernet networks running at 100 Mbps.**