

CD7511

6GHz - 4K RG11 Digital Video Coax

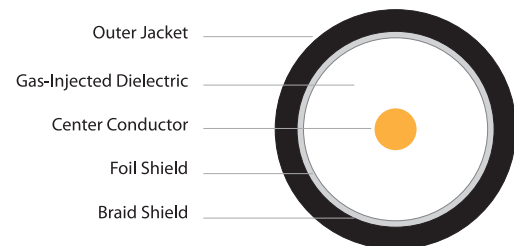


Part Number: **CD7511**

Description: 6GHz - 4K RG11 Digital Video Coax

Materials & Dimensions

Center Conductor	14 AWG Solid BC .064" OD
Dielectric	Gas-Injected Foam PE .285" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.405"
Available Colors	Black (other colors available as special order)



Performance Characteristics

Impedance	Return Loss	DC Resistance		Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	UL Listing				
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz) >15dB (4.5GHz - 6GHz)	Conductor: 2.5 Ω/Mft Shield: 1.5 Ω/Mft		16.1 pF/ft	84%	83 lbs max.	4.0" min.	-30°C to 75°C	104 lbs/Mft	CMR				
Frequency	1 MHz	3.6 MHz	10 MHz	71.5 MHz	135 MHz	270 MHz	360 MHz	720 MHz	1 GHz	1.5 GHz	2.25 GHz	3 GHz	4.5 GHz	6 GHz
Attenuation dB/100 feet	0.14	0.28	0.43	1.0	1.4	1.9	2.2	3.3	3.9	4.8	5.8	6.7	8.8	11.3
Attenuation dB/100 meters	0.46	0.92	1.4	3.3	4.6	6.2	7.2	10.8	12.8	15.7	19.0	22.0	28.9	37.1
Data Rate	270 Mb/s SMPTE 259	360 Mb/s SMPTE 259	1.5 Gb/s SMPTE 292	3 Gb/s SMPTE 424	6 Gb/s SMPTE ST1081-1	Dual-Link 6 Gb/s SMPTE ST2081-1	Quad-Link 12 Gb/s SMPTE ST2082							
Maximum Distance (typical)	2046'	1834'	521' - 849'	366' - 570'	529'	780'	780'							

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE standards. Individual system testing is recommended to determine actual maximum transmission distances.

The CD7511 is a precision 6 GHz RG11 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE standards for digital video interconnects up to 6Gb/s. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7511 can be installed in a variety of permanent installation locations and environments.