

CD7511F

Flexible 4.5GHz HD/SDI RG11 Coaxial Cable

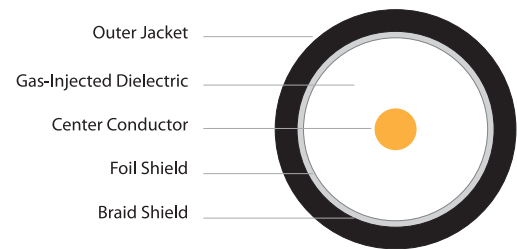


- Low-Loss RG11 Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE Compliant Up To 3Gbs
- Stranded Center Conductor
- Flexible Outer Jacket

Part Number: **CD7511F**
Description: 4.5GHz HD/SDI RG11 Flexible Coaxial Cable

Materials & Dimensions

Center Conductor	15AWG (19x27) Stranded BC .064" O.D.
Dielectric	Gas-Injected Foam PE .287" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Flexible, Matte TPE
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
75Ω (+/-2)	>20 dB (1MHz - 1GHz) >15dB (1GHz - 4.5GHz)	Conductor: 2.9 Ω/Mft Inner Shield: 1.4 Ω/Mft	17.1 pF/ft	83%	78 lbs max.	4.0" min.	-30°C to 75°C	85 lbs/Mft

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
Attenuation dB/100 feet	0.14	0.29	0.43	1.1	1.5	2.3	2.9	4.1	5.0	5.4	6.6	7.8	10.2
Attenuation dB/100 meters	0.46	0.95	1.4	3.6	4.9	7.5	9.5	13.5	16.4	17.7	21.7	25.6	33.5

Data Rate	270 Mb/s SMPTE 259	360 Mb/s SMPTE 259	1.5 Gb/s SMPTE 292	3 Gb/s SMPTE 424	Dual-Link 6 Gb/s SMPTE ST2081-1	Quad-Link 12 Gb/s SMPTE ST2082
Maximum Distance (typical)	1910'	1590'	410' - 620'	320' - 480'	650'	650'

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 CD7511F is a flexible, precision 4.5 GHz RG11 coax for HD/SDI, standard SDI or high resolution video applications. As with all Clark CD series coax cables, the CD7511F features specifications that meet or exceed SMPTE standards for high-definition digital video interconnect applications. Built for use in staging, remote broadcast and patching applications, the CD7511F utilizes a flexible yet rugged TPE outer jacket, dual shielding and a video grade, stranded center conductor for exceptional flexibility and flex-life.