

## CD7511DBR

### Direct Burial, Riser Rated 6GHz HD/SDI RG11 Coaxial Cable

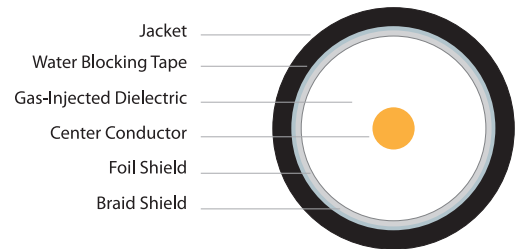


- Low-Loss RG11 14AWG Size
- 6 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE 259, 292 & 424 Compliant
- Foil & Braid Shield
- Direct Burial Construction
- Riser Rated

Part Number: **CD7511DBR**  
 Description: Direct Burial, Riser Rated 6GHz HD/SDI R11 Coaxial Cable

#### Materials & Dimensions

Center Conductor	14 AWG Solid BC .064" OD
Dielectric	Gas-Injected Foam PE .285" OD
Shield	100% Aluminum Foil & 95% TC Braid
Barrier	Water-Blocking Tape
Jacket	PVC
Overall Diameter	.405"
Available Colors	Black



#### Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Weight	Rating
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	16.0 pF/ft	84%	83 lbs max.	4.0" min.	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 CD7511DBR is a precision 6 GHz RG11 coax for HD/SDI, standard SDI or high resolution video formats in direct burial applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Designed for direct burial applications, the CD7511DBR has a PVC jacket and a water-blocking tape barrier that provides an additional level of protection for moisture absorption in the event that the jacket is penetrated.