CD7506DB

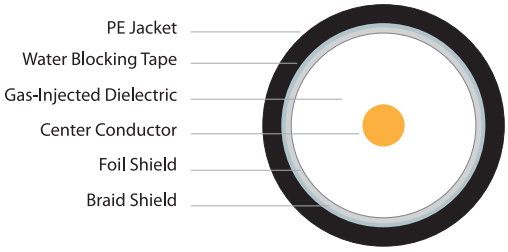
Direct Burial 4.5GHz HD/SDI RG6 Coaxial Cable

- Low-Loss RG6 18AWG Size
- 4.5 GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE Compliant Up To 3Gbs
- Foil & Braid Shield
- Direct Burial Construction

Part Number: **CD7506DB**
Description: Direct Burial 4.5GHz HD/SDI RG6 Coaxial Cable

Materials & Dimensions

Center Conductor	18 AWG Solid BC .040" OD
Dielectric	Gas-Injected Foam PE .180" OD
Shield	100% Aluminum Foil & 95% TC Braid
Barrier	Water-Blocking Tape
Jacket	Polyethylene
Overall Diameter	.272"
Available Colors	Black



Performance Characteristics

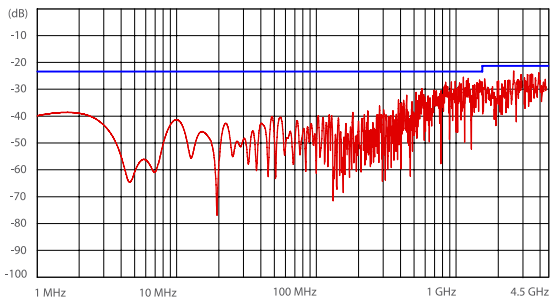
Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	70 lbs max.	2.7" min.	40 lbs/Mft

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	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6

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)	1360'	1205'	351' - 570'	240' - 376'	509'	509'

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.

Return Loss (typical: frequency vs. RL dB)



The CD7506DB is a precision 4.5 GHz RG6 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 standards for high-definition digital video interconnect applications. Designed for direct burial applications, the CD7506DB has a puncture resistant PE jacket and a water-blocking tape barrier that provides an additional level of protection for moisture absorbtion in the event that the jacket is penetrated.

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