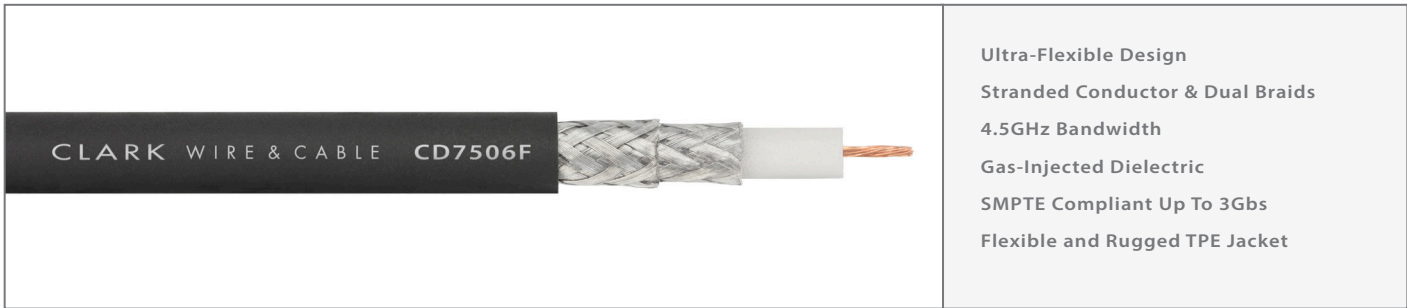


## CD7506F

### Ultra-Flexible 4.5GHz HD/SDI RG6 Coaxial Cable

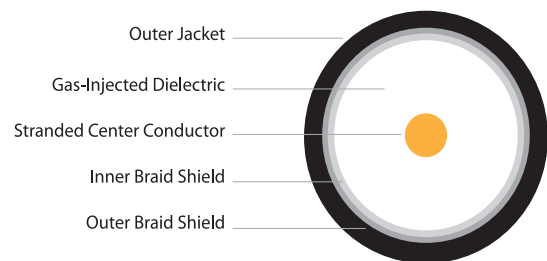


Ultra-Flexible Design  
Stranded Conductor & Dual Braids  
4.5GHz Bandwidth  
Gas-Injected Dielectric  
SMPTE Compliant Up To 3Gbs  
Flexible and Rugged TPE Jacket

Part Number: **CD7506F**  
Description: Ultra-Flexible 4.5GHz HD/SDI RG6 Coaxial Cable

#### Materials & Dimensions

Center Conductor	19 AWG (19 Strand) BC .040" O.D.
Dielectric	Gas-Injected Foam PE .180" O.D.
Shield	90% TC Braid & 90% TC Braid (dual braids)
Jacket	Flexible TPE
Overall Diameter	.272"
Available Colors	Black, Violet



#### 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: 8.5 Ω/Mft Shield: 1.7 Ω/Mft	17.0 pF/ft	78%	116 lbs max.	2.7" min.	-35°C to 75°C	45 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	0.50	0.73	2.0	2.8	4.0	4.8	7.0	8.28	10.5	13.2	15.6	19.8
Attenuation dB/100 meters	0.73	1.64	2.39	6.56	9.18	13.1	15.7	23.0	27.2	34.4	43.3	51.2	64.9

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)	1015'	900'	245' - 395'	165' - 275'	348'	348'

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 CD7506F is an ultra-flexible, precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. As with all Clark CD series coax cables, the CD7506F 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 CD7506F utilizes an extra-flexible yet rugged TPE outer jacket, dual braided shields and a video grade, stranded center conductor for exceptional flexibility and flex-life.

