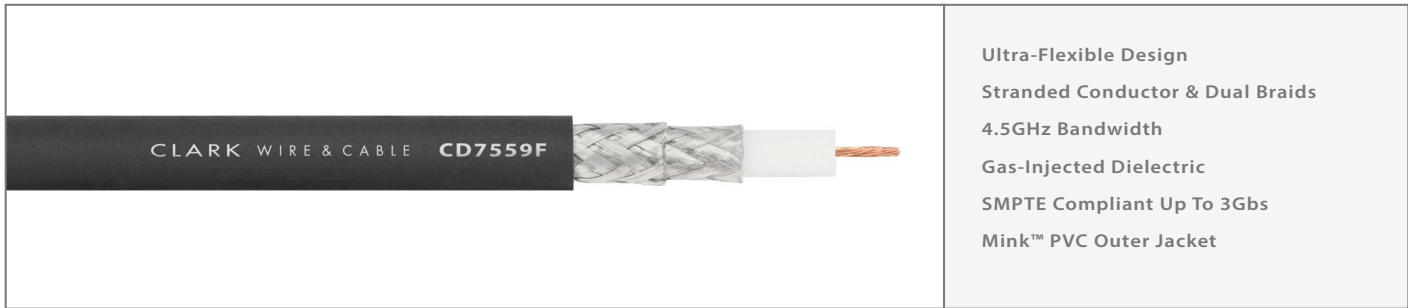


## CD7559F

### Ultra-Flexible 4.5GHz HD/SDI RG59 Coaxial Cable

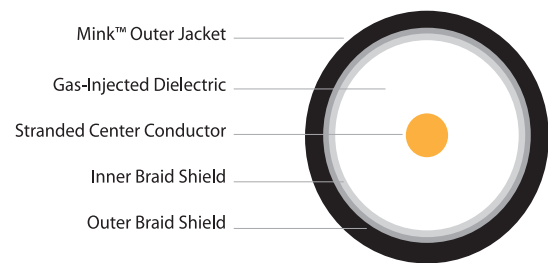


- Ultra-Flexible Design
- Stranded Conductor & Dual Braids
- 4.5GHz Bandwidth
- Gas-Injected Dielectric
- SMPTE Compliant Up To 3Gbs
- Mink™ PVC Outer Jacket

Part Number: **CD7559F**  
Description: Ultra-Flexible 4.5GHz HD/SDI RG59 Coaxial Cable

#### Materials & Dimensions

Center Conductor	21 AWG (19 Strand) BC .031" O.D.
Dielectric	Gas-Injected Foam PE .146" O.D.
Shield	90% TC Braid & 90% TC Braid (dual braids)
Jacket	MINK™ Ultra-Flexible Matte PVC
Overall Diameter	.242"
Available Colors	Black



#### 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: 12.2 Ω/Mft Shield: 2.4 Ω/Mft	17.0 pF/ft	78%	90 lbs max.	2.4" min.	-35°C to 75°C	35 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	0.25	0.51	0.91	2.5	3.5	5.0	5.9	8.6	10.4	13.1	16.5	19.6	24.8
Attenuation dB/100 meters	0.82	1.7	3.0	8.2	11.5	16.4	19.4	28.2	34.1	43.0	54.1	64.3	81.3

Data Rate	270 Mb/s SMPTE 259	360 Mb/s SMPTE	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)	850'	720'	195' - 326'	130' - 204'	300'	300'

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 CD7559F is an ultra-flexible, precision 4.5 GHz RG59 coax for HD/SDI, standard SDI or high resolution video applications. As with all Clark CD series coax cables, the CD7559F 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 CD7559F utilizes Clark's ultra-flexible Mink™ outer jacket, dual braided shields and a video grade, stranded center conductor for exceptional flexibility and flex-life.

