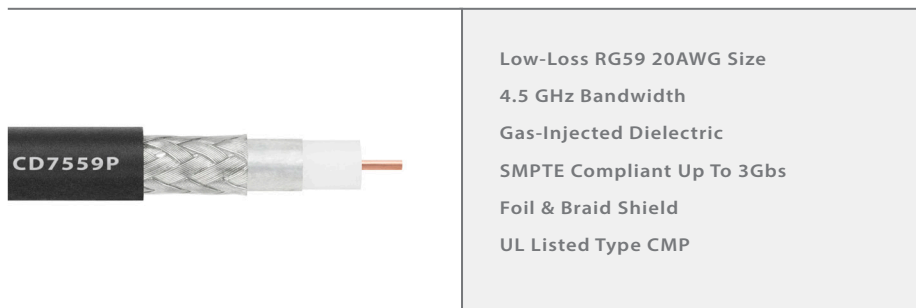


# CD7559P

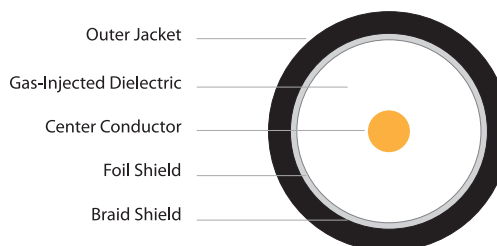
## Plenum 4.5GHz HD/SDI RG59 Coaxial Cable



Part Number: **CD7559P**  
 Description: 4.5GHz HD/SDI RG59 Plenum Rated Coaxial Cable

### Materials & Dimensions

CENTER CONDUCTOR	20 AWG Solid BC .032" OD
DIELECTRIC	Gas-Injected Foam FEP .135" OD
SHIELD	100% Aluminum Foil 95% TC Braid
JACKET	Low Pressure, Easy Strip PL-PVC
OVERALL DIAMETER	.195"
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	UL Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 10.0 Ω/Mft Shield: 7.6 Ω/Mft	16.1 pF/ft	84%	53 lbs max.	1.9" min.	0°C to 75°C	29 lbs/Mft	CMP

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	0.28	0.55	0.88	2.1	2.9	4.1	4.8	7.2	9.0	11.5	14.8	17.5	27.5
Attenuation dB/100 meters	0.92	1.8	2.9	6.9	9.5	13.5	15.7	23.6	29.5	37.7	48.5	57.4	90.2

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)	990'	882'	239' - 375'	153' - 233'	350'	350'

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 CD7559P is a precision 4.5 GHz RG59 coax for HD/SDI, standard SDI or high resolution video applications. CD series coax features specifications that meet or exceed SMPTE standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMP, the CD7559P can be installed in a variety of permanent installation locations and environments.

Return Loss (typical: frequency vs. RL dB)

