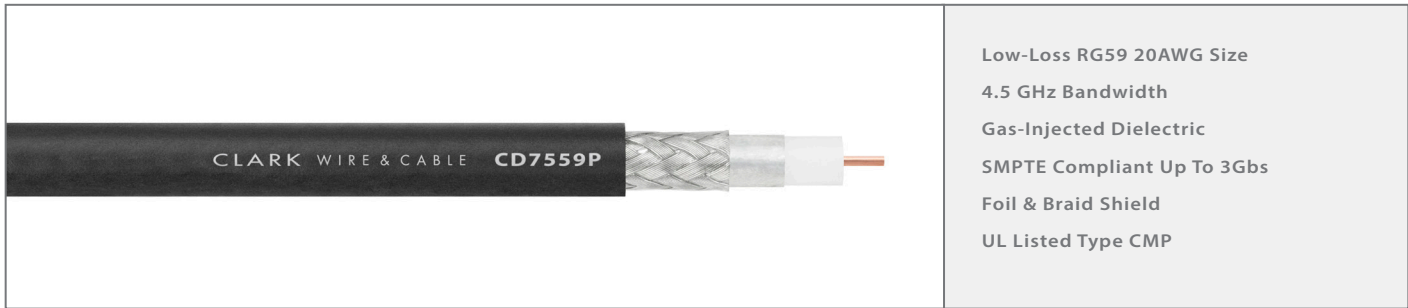


CD7559P

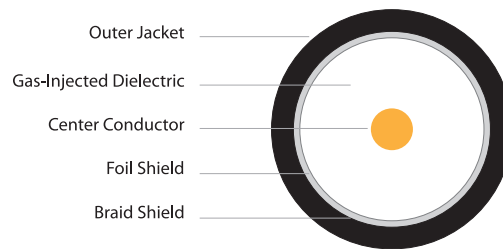
Plenum 4.5GHz HD/SDI RG59 Coaxial Cable



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. Clark's 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)

