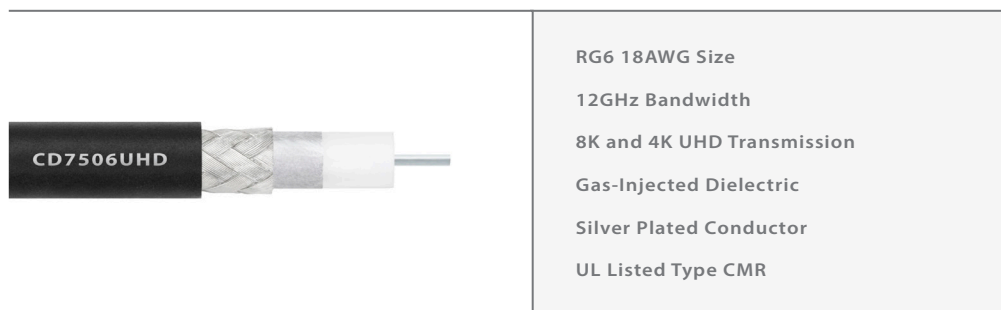


# CD7506UHD

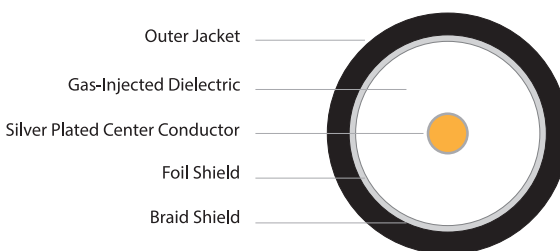
## 12GHz 8K RG6 Coaxial Cable



Part Number: **CD7506UHD**  
 Description: 12GHz 8K RG6 Riser Rated Coaxial Cable

### Materials & Dimensions

Center Conductor	18 AWG Silver Plated Copper .040" OD
Dielectric	Gas-Injected Foam PE .180" OD
Shield	100% Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Overall Diameter	.272"
Available Colors	Black



### 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) >21 dB (1.5GHz - 4.5GHz) >15 dB (4.5GHz - 12GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	70 lbs max.	2.7" min.	-30°C to 75°C	41 lbs/Mft	CMR

Frequency	1 MHz	10	71.5	100	270	360	750	1 GHz	1.5	2.25	3	4.5	6	12
Attenuation dB/100 feet	0.23	0.70	1.62	1.89	2.97	3.45	5.1	5.9	7.3	9.1	10.6	13.2	15.5	23.0
Attenuation dB/100 meters	0.75	2.3	5.31	6.2	9.7	11.3	16.7	19.4	23.9	29.9	34.8	43.3	50.9	75.5

HD/SDI Data Rate	270 Mb/s	360 Mb/s	1.5 Gb/s	3 Gb/s	6 Gb/s	12 Gb/s
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'	375'	259'

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 CD7506UHD is a precision 12GHz RG6 coax for 8K and 4K UHD transmission at data rates up to 12 Gb/s. CD-UHD series coax features specifications that meet or exceed SMPTE ST2082-1 and ST2083-1 standards for Ultra High Definition digital video interconnect applications through its silver plated center conductor and ultra precision, gas-injected foam dielectric. Also built for easy termination, the CD-UHD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. UL rated type CMR, the CD7506UHD can be installed in a variety of permanent installation locations and environments.