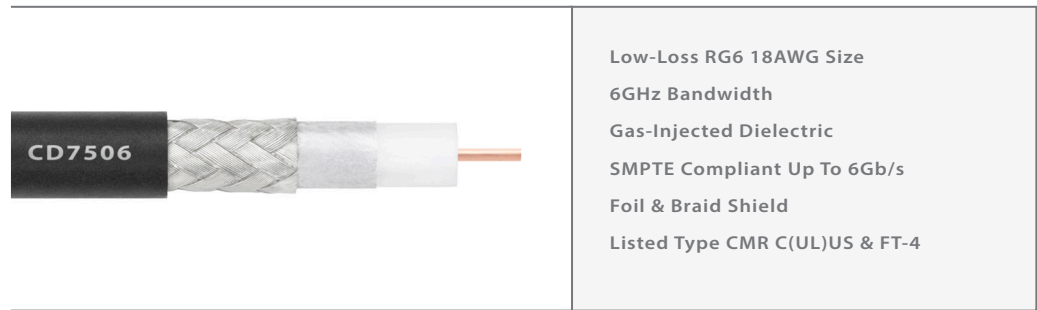


CD7506

6GHz - 4K RG6 Digital Video Coax

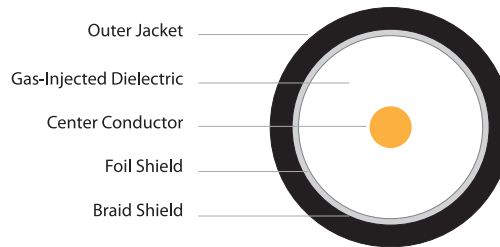


Part Number: **CD7506**

Description: 6GHz - 4K RG6 Digital Video Coax

Materials & Dimensions

Center Conductor	18 AWG Solid BC .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, Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight	Listing
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz) >15dB (4.5GHz - 6GHz)	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 C(UL)US FT-4

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	6 GHz
Attenuation dB/100 feet	0.22	0.43	0.70	1.6	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3	17.6
Attenuation dB/100 meters	0.72	1.4	2.3	5.3	6.9	9.5	11.2	16.1	19.0	23.9	29.9	34.8	43.6	57.7

Data Rate	270 Mb/s SMPTE 259	360 Mb/s SMPTE 259	1.5 Gb/s SMPTE 292	3 Gb/s SMPTE 424	6 Gb/s SMPTE ST1081-1	Dual-Link 6 Gb/s SMPTE ST2081-1	Quad-Link 12 Gb/s SMPTE ST2082
Maximum Distance (typical)	1360'	1205'	351' - 570'	240' - 376'	340'	509'	509'

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 CD7506 is a precision 6 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. CD series coax features specifications that meet or exceed SMPTE standards for digital video interconnects up to 6 Gb/s. Also built for easy termination, the CD series has an easy-to-strip outer jacket and dielectric that streamline connector termination. Rated type CMR C(UL)US and FT-4, the CD7506 can be installed in a variety of permanent installation locations and environments.