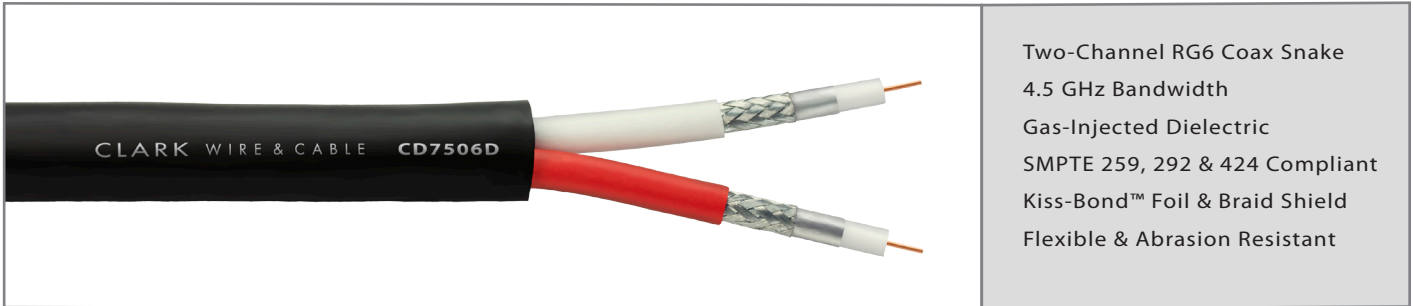


# PRODUCT BULLETIN

#25101

## CD7506D 3D - HD/SDI 4.5GHz Camera Cable



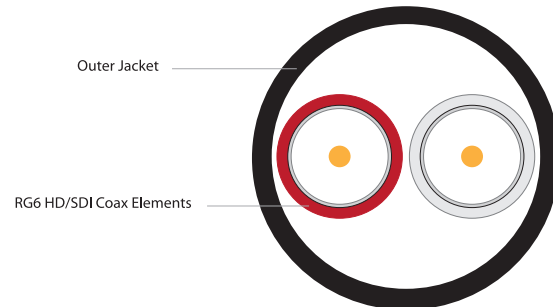
Two-Channel RG6 Coax Snake  
4.5 GHz Bandwidth  
Gas-Injected Dielectric  
SMPTE 259, 292 & 424 Compliant  
Kiss-Bond™ Foil & Braid Shield  
Flexible & Abrasion Resistant

### Part Number Overview

Part Number: **CD7506D**  
Description: 3D-HD/SDI Camera Coax Snake Cable

### Materials & Dimensions

OUTER JACKET	TPE (black)
OVERALL DIAMETER	.650"
COAX ELEMENTS	2 - RG6 Coaxes
COAX: CENTER CONDUCTOR	18 AWG Solid BC, .040" OD
COAX: DIELECTRIC	Gas-Injected Foam PE, .180" OD
COAX: SHIELD	100% Kiss-Bond™ Aluminum Foil 95% TC Braid
COAX: JACKET	Low Pressure, Easy Strip PVC, .272" OD



### Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Pulling Tension	Bend Radius	Operating Temperature	Weight
75Ω (+/-2)	>23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	16.3 pF/ft	83%	140 lbs max.	6.5" min.	-30°C to 75°C	140 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	0.22	0.43	0.70	16.0	2.1	2.9	3.4	4.9	5.8	7.3	9.1	10.6	13.3
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

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

Actual distances may vary with each system. Typical lengths listed above only serve as a guideline based upon SMPTE 259M, 292M and 424M standards. Individual system testing is recommended to determine actual maximum transmission distances.

The CD7506D is a precision, two-channel RG6 HD/SDI coax snake for 3D camera applications. Built for studio or remote applications, the CD7506D features a round TPE jacket that is both flexible and abrasion resistant. Each of the CD series RG6 coax elements feature precision 75 Ohm impedances and 4.5 GHz bandwidths for the latest SMPTE 292M and 424M digital video standards. Also built for easy termination, the CD series coax elements have easy-to-strip jackets and Clark's unique Kiss Bond™ bonded foil shield that can either be left on or removed during connector termination.