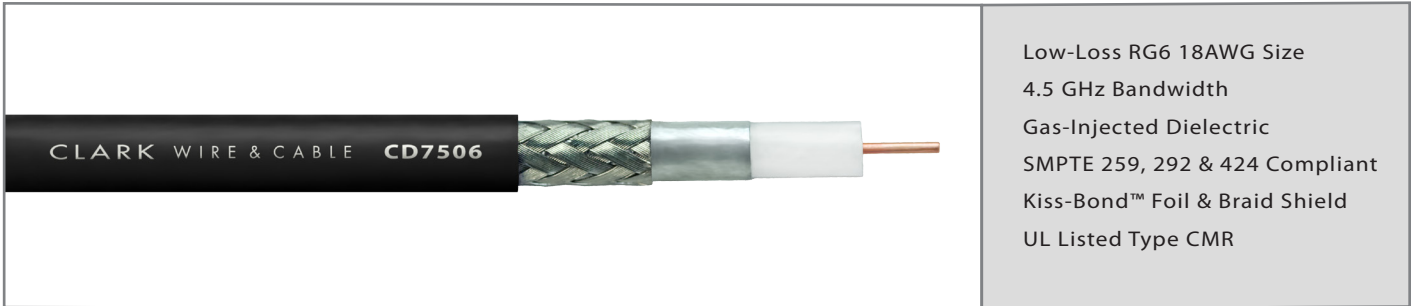


PRODUCT BULLETIN

#24301

CD7506 4.5GHz HD/SDI RG6 Coaxial Cable

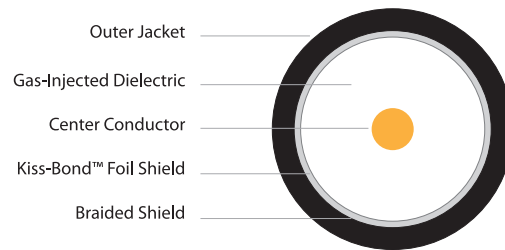


Part Number Overview

Part Number: **CD7506**
Description: 4.5GHz HD/SDI RG6 Riser Rated Coaxial Cable

Materials & Dimensions

CENTER CONDUCTOR	18 AWG Solid BC .040" OD
DIELECTRIC	Gas-Injected Foam PE .180" OD
SHIELD	100% Kiss-Bond™ 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	UL Listing
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%	70 lbs max.	2.7" min.	-30°C to 75°C	41 lbs/Mft	CMR

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 CD7506 is a precision 4.5 GHz RG6 coax for HD/SDI, standard SDI or high resolution video applications. Clark's CD series coax features specifications that meet or exceed SMPTE 259M, 292M and 424M standards for high-definition digital video interconnect applications. Also built for easy termination, the CD series has an easy-to-strip outer jacket and Clark's unique Kiss-Bond™ bonded foil shield that can either be left on removed during connector termination. UL rated type CMR, the CD7506 can be installed in a variety of permanent installation locations and environments.

