



CLARK™
WIRE & CABLE

CD-UHD Series 12GHz-8K Coax



Next Generation Coax for UHD Video

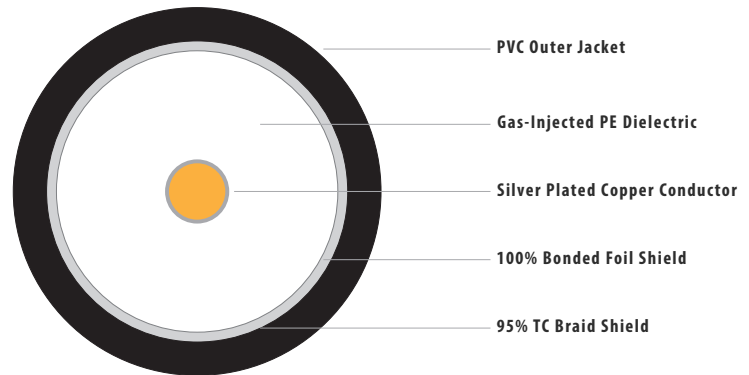
The new Clark CD-UHD series of digital video coax features a low-loss 12GHz bandwidth design for transmission of uncompressed digital video at up to 8K video resolutions. Built upon the standards set by the original CD series, the CD-UHD adds a silver-plated center conductor and extra-tolerant specifications to achieve low-attenuation and return loss up to the extended 12GHz cable bandwidth. The CD-UHD series comes in RG6, RG59 and 23AWG miniature sizes for use in a variety of applications and distance requirements and is UL riser rated CMR for permanent installation.

- 8K/4K/2K Uncompressed Video
- 12GHz Bandwidth
- Silver Plated Copper Conductor
- Gas-Injected Dielectric
- Foil + Braid Shield
- UL Listed Type CMR

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OVERALL SPECIFICATIONS

Center Conductor	Silver Plated Copper
Dielectric	Gas-Injected Foam PE
Shield	100% Bonded Aluminum Foil 95% TC Braid
Jacket	Low Pressure, Easy Strip PVC
Available Colors	Black
Impedance	75Ω (+/-2)
Return Loss	>23 dB (1MHz - 1.5GHz) >21 dB (1.5GHz - 4.5GHz) >15 dB (4.5GHz - 12GHz)
Operating Temperature	-30°C to 75°C
UL Listing	CMR



CD-UHD CABLE TYPES



Part Number	Gauge	DC Resistance	Dielectric O.D.	Jacket O.D.	V.P.	Capacitance	Weight	Frequency vs Attenuation (dB per 100 feet)					
								1 GHz	1.5 GHz	3 GHz	4.5 GHz	6 GHz	12 GHz
CD7506UHD	18 AWG .040" O.D.	Conductor: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	.180"	.272"	83%	16.3 pF/ft	41 lbs/Mft	5.9	7.3	10.6	13.2	15.5	23.0



Part Number	Gauge	DC Resistance	Dielectric O.D.	Jacket O.D.	V.P.	Capacitance	Weight	Frequency vs Attenuation (dB per 100 feet)					
								1 GHz	1.5 GHz	3 GHz	4.5 GHz	6 GHz	12 GHz
CD7559UHD	20 AWG .032" O.D.	Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft	.146"	.242"	83%	16.3 pF/ft	35 lbs/Mft	7.6	9.3	13.4	16.7	19.7	28.7



Part Number	Gauge	DC Resistance	Dielectric O.D.	Jacket O.D.	V.P.	Capacitance	Weight	Frequency vs Attenuation (dB per 100 feet)					
								1 GHz	1.5 GHz	3 GHz	4.5 GHz	6 GHz	12 GHz
CD7523UHD	23 AWG .023" O.D.	Conductor: 20 Ω/Mft Shield: 7.6 Ω/Mft	.100"	.159"	84%	16.4 pF/ft	18 lbs/Mft	10.8	13.2	19.0	23.6	27.7	41.2

Maximum Cable Distances per Data Rate

Data Rate	CD7523UHD	CD7559UHD	CD7506UHD
270 Mb/s	790'	1060'	1360'
360 Mb/s	681'	962'	1205'
1.5 Gb/s (1080p)	185' - 315'	269' - 400'	351' - 570'
3 Gb/s	135' - 211'	189' - 285'	240' - 376'
6 Gb/s (4k)	214'	301'	375'
12 Gb/s (8K)	149'	210'	259'

