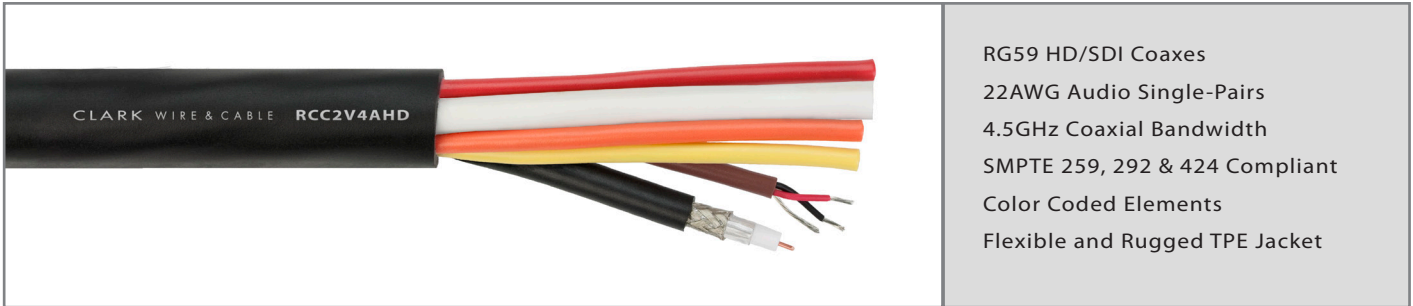




PRODUCT BULLETIN

#51201

RCC-HD Series RG59 Composite A/V Snake Cables



RG59 HD/SDI Coaxes
22AWG Audio Single-Pairs
4.5GHz Coaxial Bandwidth
SMPTE 259, 292 & 424 Compliant
Color Coded Elements
Flexible and Rugged TPE Jacket

Part Number Overview

Part Number: **RCC-HD Series** (see below for variations)
Description: RG59 Composite A/V Snake Cables

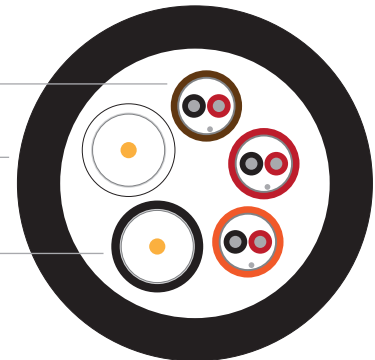
Materials & Dimensions

AUDIO ELEMENTS	22AWG (7x30) TC Conductors (2 per single-pair) Polypropylene Insulation .008" wall (red & black) 100% Bonded Foil Shield 22AWG (7x30) TC Drain Wire PVC Pair Jacket .132" O.D.
VIDEO ELEMENTS	20 AWG Solid BC Conductor (1 per coax) Gas-Injected Foam PE, .146" O.D. 100% Foil & 95% TC Braid Shields PVC Coax Jacket .242" O.D.
OVERALL JACKET	Black TPE (see below for overall cable diameters)

22AWG Single-Pair Elements

TPE Jacket

20AWG RG59 Coax Elements



Performance Characteristics

Impedance	Return Loss	DC Resistance	Capacitance	Vel. of Prop.	Operating Temperature	Coax Attenuation (dB/100 feet)			
						135 MHz	1 GHz	3 GHz	4.5 GHz
Coax Elements: 75Ω (+/-2)	Coax Elements: >23 dB (1MHz - 1.5GHz) >21dB (1.5GHz - 4.5GHz)	Coax Elements: Conductor: 10.0 Ω/Mft Shield: 3.8 Ω/Mft Single-Pair Elements: Conductor: 14.4 Ω/Mft Drain & Shield: 12.5 Ω/Mft	Coax Elements: 16.3 pF/ft Single-Pair Elements: 25.7 pF/ft between conductors, 47.3 pF/ft between one conductor and other in common with shield	Coax Elements: 83%	-30°C to 75°C	2.7	7.6	13.3	16.4

Product Variations

Part Number	Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Overall Diameter	Weight	Bend Radius
RCC1V2AHD	1	Black	2	Brown, Red	.490"	130 lbs/Mft	4.9"
RCC1V3AHD	1	Black	3	Brown, Red, Orange	.550"	150 lbs/Mft	5.5"
RCC2V3AHD	2	Black, White	3	Brown, Red, Orange	.650"	210 lbs/Mft	6.5"
RCC2V4AHD	2	Black, White	4	Brown, Red, Orange, Yellow	.675"	240 lbs/Mft	6.8"
RCC3V4AHD	3	Black, White, Grey	4	Brown, Red, Orange, Yellow	.745"	285 lbs/Mft	7.5"
RCC3V6AHD	3	Black, White, Grey	6	Brown, Red, Orange, Yellow, Green, Blue	.780"	325 lbs/Mft	7.8"
RCC4V4AHD	4	Black, White, Grey, Violet	4	Brown, Red, Orange, Yellow	.815"	340 lbs/Mft	8.2"

The RCC-HD series cables are hybrid audio and video cables designed for remote broadcast, staging and production environments. Each video element is a CD7559 20AWG RG59 HD/SDI coax cable that is rated to 4.5GHz for high definition SMPTE 424M, 292M and 259M video data transmission. The audio elements are made from Clark's SPA22GS low-loss 22AWG single-pair cables. Each audio and video element is uniquely color coded for quick identification. The outer jacket is an extra-flexible and abrasion resistant TPE compound.

See CD7559 data sheet for additional coax attenuation specifications and HD/SDI transmission distances.