

# RCC2V2A1C6HDE

## RG6 A/V + Cat6 Multi-Core Cable

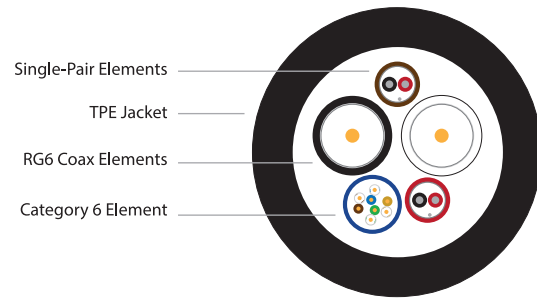


Two RG6 HD/SDI Coaxes  
 Two 22AWG Audio Single-Pairs  
 One Cat6 Network Cable  
 4.5GHz Coaxial Bandwidth  
 SMPTE 259, 292 & 424 Compliant  
 Flexible and Rugged TPE Jacket

Part Number: **RCC2V2A1C6HDE**  
 Description: RG6 A/V + Cat6 Multi-Core Cable

### 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	18 AWG Solid BC Conductor (1 per coax) Gas-Injected Foam PE, .180" O.D. 100% Foil & 95% TC Braid Shields PVC Coax Jacket .272" O.D.
Network Element	23 AWG Solid BC Conductors (four twisted-pairs) Polyethylene Insulation PVC Jacket .220" O.D.
Overall Jacket	Black TPE



### 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: 6.4 Ω/Mft Shield: 2.8 Ω/Mft	Coax Elements: 16.3 pF/ft	Coax Elements: 83%	-30°C to 75°C				
						Single-Pair Elements: Conductor: 14.4 Ω/Mft Drain & Shield: 12.5 Ω/Mft	25.7 pF/ft between conductors, 47.3 pF/ft between one conductor and other in common with shield	2.1	5.8

### Overall Mechanical Specifications

Part Number	Coax Elements	Coax Color Code	Audio Pair Elements	Audio Pair Color Code	Overall Diameter	Network Elements	Network Color	Weight	Bend Radius
<b>RCC2V2A1C6HDE</b>	2	White, Black	2	Brown, Red	.720"	1	Blue	240 lbs/Mft	7.2"

The RCC2V2A1C6HDE cable is hybrid a/v multi-core cable with an added category 6 element for networking and data transfer in remote production and ENG applications. Each video element is a CD7506 18AWG RG6 HD/SDI coax that is rated to 4.5GHz for high definition SMPTE 424M, 292M and 259M video data transmission. The audio elements are made from SPA22GS low-loss 22AWG single-pair cables. All elements are uniquely color coded for quick identification and the outer jacket is extruded from a TPE compound that is extra-flexible, rugged and abrasion resistant.

See CD7506 specifications for additional coax attenuation specifications and HD/SDI transmission distances.