Technical Specifications

Environment	Composite video and unbalanced audio for the consumer and commercial market	
Devices	DVD, VCR, camcorders, audio receivers, audio amplifiers, splitters, AV switchers, AV mixers, and other analog audio/video equipment featuring coaxial input or output with BNC or RCA connectors	
Bandwidth	Video:	DC to 8 MHz
	Audio:	20 Hz to 50 KHz
Maximum Video Input	1.1 Vp-p	
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 8 MHz	
Return Loss	Greater than 15 dB over the frequency range from DC to 8 MHz	
Com. Mode Rejection	Greater than 40 dB @ 8 MHz	
Impedance	RCA side (Video):	75 ohms
	RCA Side (Audio):	600 ohms
	RJ45 side:	100 ohms
Cable	UTP:	24 gauge or lower solid copper twisted pair wire
	Impedance:	100 ohms at 1MHz
	Maximum capacitance:	20 pF/foot
	Attenuation:	6.6 dB/1000 ft at 1 MHz
	RCA:	Standard RCA phono cable
Distance	Color:	1500 feet (Cat 3 UTP)
		2200 feet (Cat 5 UTP)
	B&W:	2000 feet (Cat 3 UTP)
		2500 feet (Cat 5 UTP)
Connectors	Four (4) RCA jacks (2 audio and 2 video) One (1) RJ45 jack	
Pin config.	Signal	RJ45 Active Pins
	Video 1:	7 & 8
	Audio 1:	1 & 2
	Video 2:	4 & 5
	Audio 2:	3 & 6
Dimensions	2.4" x 2.4" x 1.0"	
Warranty	2 Years	
Ordering Information	V2A2, V2A2-Pac	

intelix
DESIGN WITH INTELLIGENCE

8001 Terrace Ave.
Middleton, WI 53715
608-831-0880
Fax: 608-831-1833
Intelix@intelix.com
www.intelix.com

Overview

The V2A2 Balun is designed for standard baseband audio/video equipment using RCA connectors for both video and audio. The Balun has two RCA connectors for video 1&2, two RCA connectors for audio 1&2 on the equipment side, and one RJ45 connector for audio/video 1&2 on the UTP building wiring side.

Applications

Used in pairs, V2A2 Baluns allow VCRs, camcorders, closed-circuit televisions, PC-based teleconferencing, and other baseband audio/video equipment to be connected via a building's structured wiring system. The Balun provides the necessary impedance matching and supports two-way baseband audio/video transmission over a four pair UTP cable, thus presenting an ideal solution for videoconferencing applications.

RCA Jacks   RJ45 4 Pairs

Audio 1
Video 1
Audio 2
Video 2