

Architectural Specification for the Intelix RF-F Broadband Video Balun

The unit shall be a rack-mountable balun which transmits broadband video signals via one unshielded twisted pair (UTP) cable, such as Cat 5. The maximum distance of the unit shall be 330 feet. The bandwidth shall be 5 MHz to 900 MHz. The unit shall support CATV channels 2 through 150, VHF channels 2 through 13, and FM broadcast band. The insertion loss shall be 5-10 MHz when less than 9 dB, and 10-900 MHz when less than 3 dB. The return loss shall be 15-370 MHz when greater than 10 dB, 370-770 MHz when greater than 7 dB, and 770-900 MHz when greater than 10 dB. The common mode rejection shall be -20 dB or higher at 5-900 MHz. The unit shall have one male F connector and one RJ45 connector. The pinout shall be pair four, pins seven and eight. The unit shall be FCC and CE compliant. The unit shall be an Intelix RF-F broadband video balun.