

RF-F Technical Specification

Broadband Video Twisted Pair Extender

Rev. 130116

The Intelix RF-F balun passively transmits broadband (RF) video over unshielded twisted pair cabling, such as Cat 5e. Used in pairs, the RF-F transmits video up to 330 feet, providing a low-cost versatile cabling solution which uses a building's existing structured cabling system.



Technical Specifications	
I/O Connections	
Video	One (1) Male F Connector
Twisted Pair	One (1) 8P8C port (RJ45)
Supported Video	
Maximum Distance via Cat 5e	300 ft.
RJ45 Pin Configuration	Pins 7 and 8: Video
Video Bandwidth (3 dB)	5 MHz to 900 MHz
Impedance	75 ohms
Supported Video Channels	CATV channels 2-150 VHF channels 2-13 FM broadcast band
Insertion Loss	<9 dB: 5-10 MHz <3 dB: 10-900 MHz
Return Loss	>10 dB: 15-370 MHz >7 dB: 370-770 MHz >10 dB: 770-900 MHz
Common Mode Rejection	-20 dB or higher at 5-900 MHz
Chassis and Environmental	
Enclosure	Black ABS plastic
Dimensions	63 mm x 23 mm x 25 mm (1.6 in. x 2.8 in. x 1 in.)
Shipping Weight	0.09 kg (0.20 lbs)
Operating Temperature (Environment)	0° to +40° C (+32° to +104° F)
Operating Humidity (Environment)	20% to 90%, Non-condensing
Storage Temperature (Environment)	-10° to +60° C (+14° to +140° F)
Other	
Regulatory	CE, RoHS
Standard Warranty	2 Years
Included Accessories	Installation Guide

Distances and picture quality may be affected by cable grade, cable quality, source and destination equipment, RF and electrical interference, and cable patches. Intelix specifications are based on straight-through cabling with standard-grade Cat 5e unless noted otherwise.