

F Type Male Video Balun – RJ45

Application Note:



**Video Balun
F Male to RJ45 Slim
Part Number: E10190R**

Traditionally, coaxial cables such as RG59 are used for connecting the CCTV camera video to the DVR but now it is possible through use of Exico's Passive Video Balun (Coax to Cat 5 Converter) to replace the more expensive coaxial cable with Cat 5 cable for this purpose. To convert from coaxial cable to the newer Cat 5 twisted pair cable is a very easy process and simply involves use of a video balun at the camera end and another video balun at the DVR end and interconnecting the two baluns with Cat 5 cable.

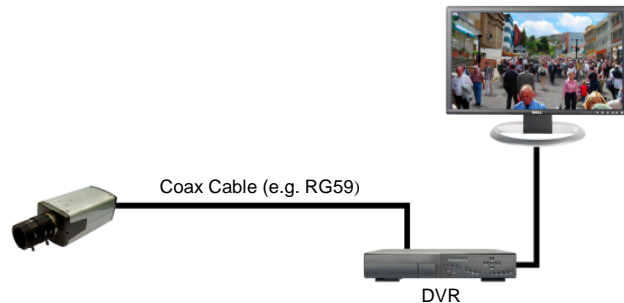
With Cat 5 cabling it is possible to connect the camera up to distances of 400 metres from the DVR with negligible degradation to the image quality.

F Male Video Baluns are used for CCTV Cameras using F Female for video output. At the DVR end which is usually BNC Female, BNC Male Balun E10180R, E10180T or E10180TC can be used.

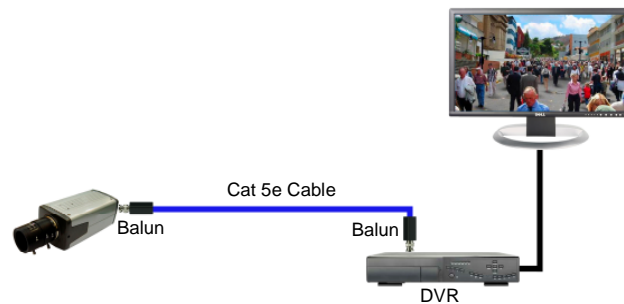
This application is shown below.



Rear View of RJ45 Jack



Coax Cabling Method



Cat 5 Cabling Method

EQL Teleconnect

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Specifications:

Bandwidth:	DC to 8MHz
Insertion Loss:	< 1.5 dB to 8MHz
Impedance:	75 ohm Coaxial, 100 ohm RJ45
Maximum Signal Voltage:	1.1 Vp-p
Return Loss:	> 15 dB to 8 MHz
Common Mode Rejection:	>40 dB @ 8 MHz
Temperature Range:	0 to 55 °C operating, 95% Relative Humidity
Casing:	Fire Retardant Plastic ABS UL 94V-0
Maximum Distance:	Color: Up to 400 m Cat 5e B&W: Up to 600 m Cat 5e

Note: Specifications subject to change without notice.