

## Question: What are the do's and don'ts when running CCTV co-ax cable?

**Answer:** In order to get the most out of your co-ax cable, here are some tips to avoid signal loss and unnecessary damage to your cable when installing CCTV.



**RG59+2 Cable**  
Available in 100m & 250m  
in black or white.

**DO keep joins to a bare minimum.** Each time a cable is terminated some signal loss will occur so plan your job with care and always try to use just one cable run from A to B wherever possible. Both RG59 and composite are available in rolls of 250M so it worth having one of these in stock to overcome such a problem.

**DON'T bend it.** Tight bends in co-ax cable can result in double images on the picture due to the signal reflecting back on itself. Take care to run your cable as straight as possible with no sharp loops.

**DO terminate it properly.** Make sure you have the right tools for the job when fitting BNC Crimps to your cable. Use proper cable strippers and crimp tools to avoid possible short circuits from wire off-cuts or unnecessary damage to the cable's centre core.

**DON'T overstretch it.** Always buy enough cable for the job and make sure it isn't over stretched when you are pulling it through conduit or roof voids. Make sure you're not pulling on the cable too hard to force it through, you may be causing unknown damage to the centre core by stretching which would ultimately affect the final camera image.

**DO check your route first.** Before running out the cable, it's worth making sure the route is clear and problem free especially if your run is through underground ducting. Flexible cable ducting rods can help find the easiest route and put the cable under less duress during installation.

**DON'T compromise on quality.** Saving a couple of pounds on a roll of cable is a false economy when a poor picture can take you hours to put right. A solid copper centre core will give you best results whereas budget cables with a Copper Coated Steel or Aluminium (CCS or CCA) centre core will result in signal loss especially over longer runs as they are not as good conductors as solid copper.



### Did you know?

Our Antihum RG59-type cables all have solid copper cores, not CCS or CCA

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This CCTV installation tip is aimed at helping you to install CCTV equipment. If you are looking for answers on "how to fit CCTV" or perhaps "how to network a DVR or NVR" or even "how to get CCTV on your mobile phone" why not check out our full range of CCTV installation tips at: [www.systemq.com](http://www.systemq.com)

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