How to FIT CCTV

Tip No: 300

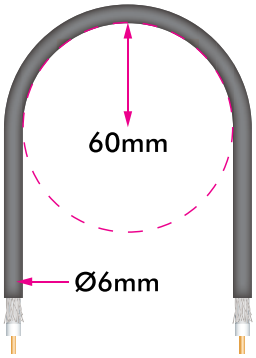
Question: How can I properly install CCTV cabling?

Answer: Tight loops and bends in the cable can greatly affect the impedance of the cable and can affect picture quality. Below are our top tips for running cables correctly.

Minimum Bend Radius

When installing cable, tight loops and bends can greatly affect the impedance of the cable resulting in high-frequancey losses and/or double images. Even if high quality cable is used but installed with sharp bends and tight loops, the picture quality produced would still be poor.

For the best performance it is recommended that bends are no less than 10x the diameter of the co-ax cable. So RG-59 co-ax cable with a diameter of 6mm, should have a bend radius of no less than 60mm. This means a loop with a diameter of no less than 120mm. (Shown right)

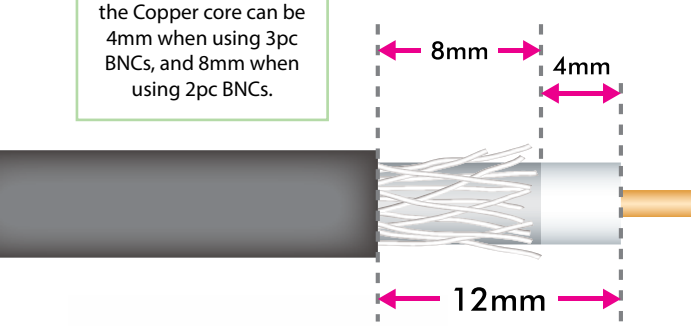


Stripping Co-ax

When stripping co-ax (RG-59) cable you need to strip the cable to specific lengths. The handy diagram below shows the recommended lengths for use with BNC connectors.

Our TOO900 cable stripper saves time and effort with multiple blades cutting to the correct length and depth in one go.

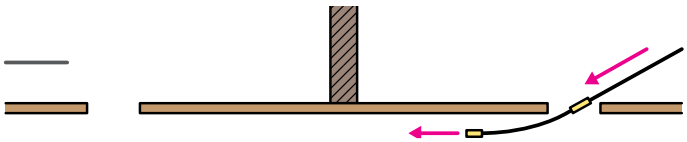
The maximum length of the Copper core can be 4mm when using 3pc BNCs, and 8mm when using 2pc BNCs.



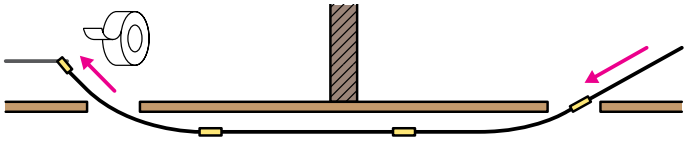
TOO900
Cable Stripper

Running Cable Under Floor Board

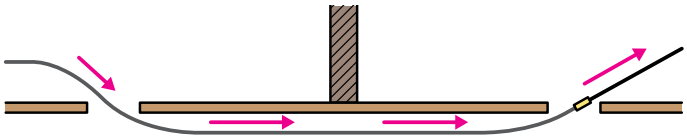
Our fantastic Access Rods are great for running cables under floor boards and other cavities.



Feed the access rods into the opening where you wish the cable to come through.



Pull the access rods through the hole where you intend to feed the cable and tape to the end of the cable.



Retrieve the access rods pulling the cable along as well.

Installer Tip:
In an emergency you can also use a steel tape measure.

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**

How to guides aim to answer commonly asked questions in a concise and informative manner. They are for advice & guidance only and do not replace any of the manuals or other literature supplied with our products.

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