RG59 Coax Cabling Guide

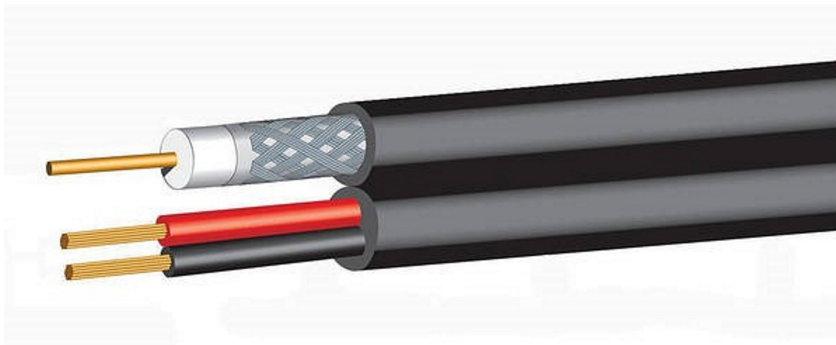**Before reading below, we suggest you have a quick read about [voltage drop](#).**
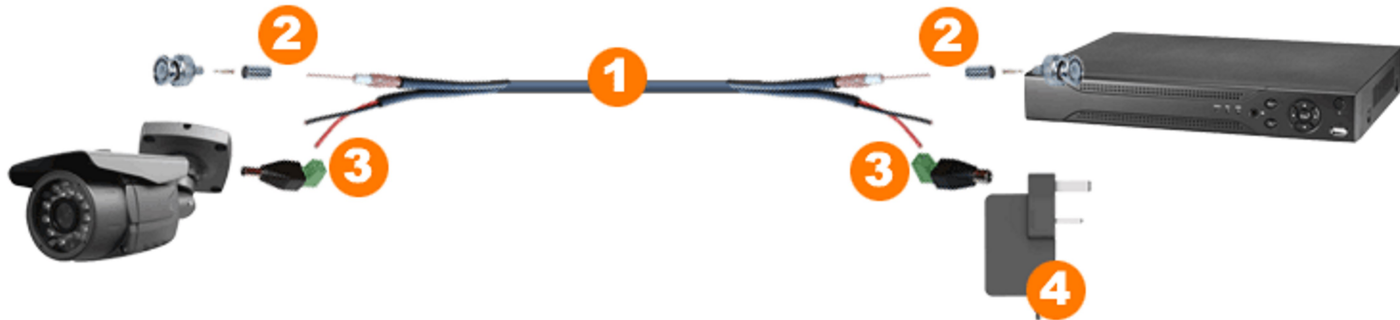
RG59 Coax Video

Probably the most common way of installing SD CCTV is using RG59 Coax and power cable - often called shotgun cable. The cable comes in 100 or 250 metre lengths, you would then cut the cable to the lengths you need for each camera.

Example Coax (Video & Power) Cable:

Video Connections

At either end of your cut to length cable, you would need to fit a BNC connector to the coax cable - this can be a "crimp on", "screw on" or "twist on" connector. If you have a crimp on tool then the most secure connection is the crimp on, if you do not you may have to go with one of the others.

Example BNC Connectors:

Crimp on

Twist on

Screw on

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Power Connections

For the power cable, if you need to connect to a DC Jack you can simply use a male or female dc jack depending on your requirements.

Example DC Jack Connectors:

Female

Male

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Power Supply (PSU)

Finally you need to power your cameras, this can be done in several ways. You could use a single power supply for each camera - but the most efficient way is to use a multiway power supply that can power all of your cameras from one source.

Example Power Supplies:

Single PSU

4 Way PSU Converter

4 Way PSU

18 Way PSU