

**From:** Aussie Surveillance <colin@aussiesurveillance.com.au>  
**Sent:** Monday, 14 April 2014 5:17 PM  
**To:** John Smithy  
**Subject:** Aussie Surveillance Promotions

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Ph: 03 5483 5030

### Cat5 Network cable Vs RG59 Coaxial cable



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### CAT5 Network Cable

**Pro's**

- \* Easy to install cable
- \* Additional cable pairs are normally available to be used for control cables E.G.PTZ control
- \* Cameras can be upgraded at a later time to IP

### RG6 Real Coaxial Cable

**Pro's**

- \*Long life - 10 to 30 years- No problem
- \*Minimal interference even in average conditions or wavy black & White
- \*Heavy Video transmission up to 8 times stronger than CAT5

**Con's**

\* Depending on Balun type, fitting requires no tools as connectors are push type

\* Up to 4 cameras can be connected to one CAT cable

\* CAT cable can transmit further than RG59U, up to 1.5Km

### Cons

\* CAT cables are more susceptible to electrical and radio interference. Although when installing under Australian Standard guidelines, this risk is minimised. Quality of camera images is the most important concern and usually caused by the quality of the equipment used.

\* Most important issue is to install the CAT cables have adequate cable separation and when crossing over power cables, do so at an angle of 90 Degrees.

\* CAT cable itself is not designed to carry a high power consumption over even short distances. Voltage drop will become an issue, (Remember if the voltage drops below 15% the current will increase 15% and this will subject the camera (s) and power supply (s) to unnecessary stress and could result in system failure or worse...fire). To fix this problem you may need to use additional & separate power cable or locating your power supply closer to the camera position or use our CAT5E / Power Combo cable.



AS-CAT-POW

(Available at [AussieSurveillance](#))

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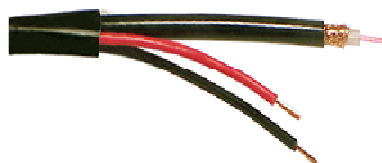
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\*Labor cost is slightly higher due to end fitting times

\*Maximum cable length (Less than 200 meters)

### AS-Cable-VP

(Available at [AussieSurveillance](#))



*Please Note:*

**Please be aware that when upgrading cameras on an existing system you may need to allow for cable replacement to obtain optimum results**

*Use Quality Cable as even the best camera's cannot provide a good image without a good signal.*

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