



AV BEYOND
THE BOX

LAN Cables

LAN Cable Application Chart

Applications	Unshielded		Shielded			
	CAT 5e	CAT 6	CAT 5e	CAT 6	CAT 6A	CAT 7
10 / 100 Megabit/s Networks	✓	✓	✓	✓	✓	✓
1000 Megabit/s Networks	✓	✓	✓	✓	✓	✓
10 Ggabit/s Networks	✗	✗	✗	✗	✓	✓
40 Ggabit/s Networks	✗	✗	✗	✗	▲	▲
100 Ggabit/s Networks	✗	✗	✗	✗	▲	▲
Analog & Digital Phone	✓	✓	✓	✓	✓	✓
VoIP	✓	✓	✓	✓	✓	✓
VoIP + PoE	▲	✓	▲	✓	✓	✓
XDSL	✓	✓	✓	✓	✓	✓
Wi-Fi Access Point	▲	✓	▲	✓	✓	✓
Bluetooth Access Point	▲	✓	▲	✓	✓	✓
CCTV With Baluns	▲	✓	▲	✓	✓	✓
IP Camera	✓	✓	✓	✓	✓	✓
IP Camera + PoE	▲	✓	▲	✓	✓	✓
Analog & Digital TV (900 MHz max)	✗	✗	✗	✗	✗	✓
IPTV	▲	✓	▲	✓	✓	✓
IP Alarms & Safety Systems	▲	✓	▲	✓	✓	✓
Maximum bandwidth	100MHz	250MHz	100MHz	250MHz	500MHz	600MHz

✓ Recommended

▲ Useable

✗ Unuseable

