PRE-WIRING YOUR HOME FOR FOXTEL

When booking an installation for FOXTEL, a qualified Customer Service Technician will visit your home and complete all the necessary cabling requirements needed. However, if you are constructing or renovating your home, you may prefer to pre-wire your premises yourself or through a contractor of your own.

Prior to pre-wiring your premises, please contact FOXTEL on 131 999 to determine whether your premises is in a cable or satellite area. This information is important as some content covered in this document is cable specific or satellite specific.

After your house or renovations have been completed, it may be difficult or impractical to conceal the interior wiring.

This guide is relevant for residential properties with its standalone title (i.e. it excludes units, townhouses, villas, apartments, etc.)

The following is intended as a guide only and FOXTEL cannot be held liable for any loss or damage you may suffer as a result of pre-wiring your home.

FOXTEL recommends that you consult your builder, architect or electrician to determine whether you should pre-wire your premises for FOXTEL.

Please note that if you pre-wire your home FOXTEL takes no responsibility for any inability to receive FOXTEL.

THINGS TO REMEMBER:

- *Wiring that is left unused for lengthy periods of time may become unsuitable*
- *If your address is currently unserviceable we advise you to not pre-wire your premises*
- *Pre-wiring your premises may not save you money if the FOXTEL installation requires customised work (FOXTEL reserves the right to quote for customised installations). The FOXTEL standard connection fee includes the cost of all wiring and labour. (Wiring includes connectors, the outlet (wall plate/skirt mount) and all cabling)*
- *This guide contains the minimum standards for materials, design, installation and workmanship only.*

MATERIAL STANDARDS AND DESIGN

The following are the minimum standards your wiring must meet. In most cases, compliance with these standards will enable FOXTEL to be connected using the wiring you provide. However, depending on the nature of your premises, additional standards may apply.

It is the responsibility of you and your chosen tradesperson to ensure that pre-wiring is carried out in accordance with all relevant laws and all appropriate standards.

Coaxial cable, connectors and outlets (Wallplate/Skirt mount)

1. Cable must be standard Series 6 (RG-6 Quad or Tri-Shield) flexible coaxial cable that has the following characteristics:

    a. A nominal impedance of 75 ohms
    b. A single copper clad steel centre conductor. Solid copper and multi-strand centre conductor cable is not acceptable
    c. Quad or Tri-shield construction (i.e. centre conductor / dielectric / laminated tape / braid / tape / braid outer jacket, with minimum braid coverage of 60% (inner) and 40% (outer)
    d. The dielectric must be solid foam or cellularised-polymer. Air spaced or semi-air spaced cable is not acceptable.
    e. The cable jacket must be black or ultra violet impervious if exposed to direct sunlight. For cable use internally the jacket is be flame retardant PVC.

2. Coaxial cable connectors must NOT be fitted to the cable. FOXTEL's Customer Service Technician will fit connectors at the time of your FOXTEL installation

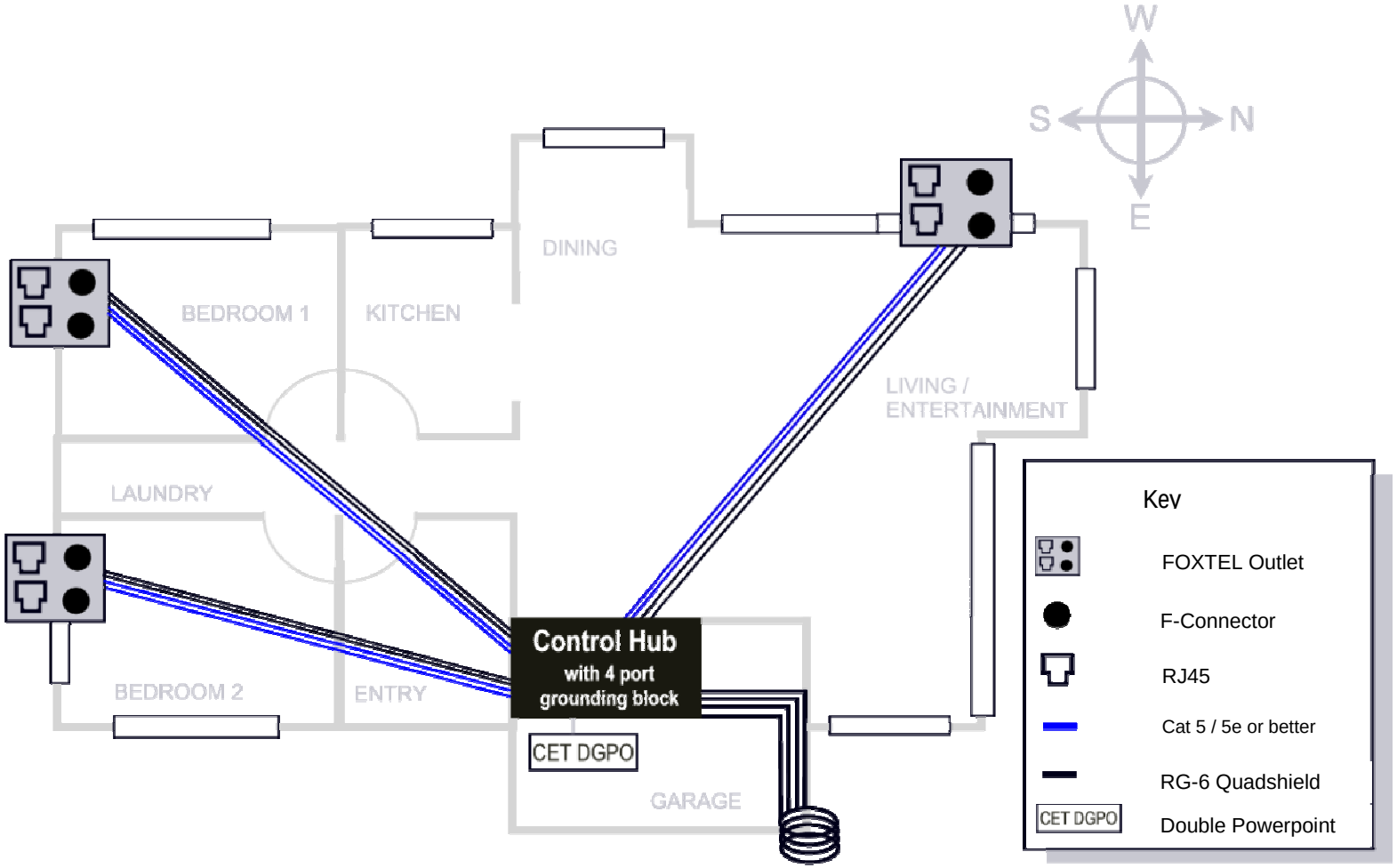
3. All cable ends must be sealed with a heat shrink sealing cap to prevent cable degradation by moisture

4. If a wallplate is to be fitted, use a blank wallplate as a temporary measure.

The FOXTEL Customer Service Technician will fit an approved wallplate at the time of your FOXTEL installation.

It is necessary that the cable provided is located directly behind the blank wallplate, or tied to the blank wallplate to ensure easy access to the cable; otherwise a new cable may need to be run.

FOXTEL RECOMMENDED STANDARD INSTALLATION SYSTEM



INSTALLATION DESIGN CRITERIA

PART ONE: INSTALLATION DESIGN CRITERIA (COAXIAL CABLE)

1. Install a standard enclosure (referred in the above diagram as a “Control Hub”) that will act as a central location for all cables. Ensure cables within the Control Hub are visibly labeled (e.g. cabling from the second bedroom could be labeled BR2)

2. Run cabling from the Control Hub to the desired outlet location

3. The cable ends must be fitted with heat shrink sealing caps

   If more than one outlet is required, repeat this process, so that all cables originate from the Control Hub (i.e. splitters must not be used.)

4. When installing the cables into the roof access, ensure there is enough cable to cover the distance of the furthest point of the premises (in any direction). Note: These cables will be trimmed so that only what is required is utilized. Please note the following important information:

   - ☐ **Cable Area Premises:** Ensure the cables in the roof access are installed towards the front of the property. The cable run are to be limited to 25-metres. Where cable runs exceed this length an amplifier will be required. If an amplifier is required, the FOXTEL Customer Service Technician will install an amplifier when you connect to FOXTEL.

   - ☐ **Satellite Area Premises:** Ensure the cables in the roof access are installed towards the northerly aspect of the property. The cable run are to be limited to 48.4-metres. Where cable runs exceed this length an amplifier will be required. If an amplifier is required, the FOXTEL Customer Service Technician will install an amplifier when you connect to FOXTEL.

5. Each cable run must be one continuous length of cable. Using cable joiners, splices or joining connectors in the one run is not permitted

6. Outer shield continuity of cable must not be interrupted in any way.

7. The cable shield must not be grounded. It is recommended that a 4 port grounding block be installed at the hub location

8. You must not install splitting or amplifying devices.

PART TWO: INSTALLATION DESIGN CRITERIA (2 PAIR TELEPHONE CABLE)

1. Run Cat 5 cable (preferred) or as a minimum 2 pair telephone cable from the Telecommunications Outlet location (i.e. from either the 1st telephone socket or from an extension telephone socket) to a position no further than 300mm from the FOXTEL Digital outlet location

2. Ensure enough cable is coiled up in the wall cavity, or under the floor to allow it to extend at least 200mm from the wallplate location

3. Where the cable is left behind a blank wallplate, the cable must be easily accessible by the FOXTEL Customer Service Technician or by your chosen tradesperson. If not the cable may need to be removed and re-run

4. The exposed cable ends must be sealed with PVC electrical tape

5. Use only cable and Telecommunications Outlets (telephone sockets) approved by the Australian Communications Authority (ACA)

6. Cabling work is to be carried out by an authorized cabler in accordance with ACA wiring rules AS/ACIF S009:2001 or its replacement.

WORKMANSHIP

1. Cabling must not cause a threat to the health or safety of any person or the integrity of a telecommunications network or a facility

2. When placing cables, avoid:
    a. Damp locations
    b. Hot locations (e.g. near a furnace, water heater, clothes dryer, steam or hot water pipes)
    c. Inaccessible locations
    d. Areas exposed to foot travel or under carpets
    e. Areas where coaxial cable might conflict with the opening and closing of doors

3. Do not run cable in any air duct

4. All parts of the installation must be adequately protected against damage which might reasonably be expected to result from mechanical injury, exposure to weather, water or excessive dampness, corrosive fumes, accumulation of dust, steam, oil, high temperature, or any other circumstance to which they will be exposed under the conditions of their use

5. The coaxial cable must not be bent beyond its design limits. Never bend the cable at right angles and observe the minimum bend radius limits of the coaxial cable as listed below:
    a. Minimum bend radius of Series 6 (RG-6 Quad) cable = 45mm

6. The cables must not be kinked or distorted in any manner

7. Do not apply excessive force to the cables when drawing it in

8. Cables should be run by the most direct route that provides adequate protection and support. They must also be accessible once the building is complete. For example, run the cables down internal walls through the noggins to the wall plate in a relatively straight line. Do not feed cable through studs and do not run through the same holes as the power cables

9. Fasten cable in ceilings no less than 50mm from the surface of the ceiling that the lining is to be attached to. This will minimise the risk of penetration of the cable by stay nails used to secure the lining

10. The cables must be supported through open areas (under floors and in ceilings). Do not span cables from bearer to bearer without providing support for the cable. Use a PVC conduit secured at both ends to support the cable if necessary

11. Fasteners used to hold the coaxial cable in place must be plastic or similar. Do not use metal staples or nail cable

12. Use stud brackets to affix the wall plate to the wall. You can also use a mounting block. Remember to maintain the minimum bend radius of the coaxial cable

13. Tools required include but are not limited to:
    a. Diagonal cutters
    b. Hammer Drill
    c. Screwdriver
    d. Impact terminating tool (telephone sockets).

FOXTEL's Customer Service Technician will consider all the above items and conduct a range of tests on your cabling to determine whether it meets FOXTEL's standards of material and design before using it.

ELECTRICAL SAFETY

When you are installing your wiring you will be at risk of electrical shock due to shorts, contact with electrical wiring or lighting. Therefore you should take all precautions associated with working with high voltage.

SAFETY PRECAUTIONS

- Only use hand tools with insulated handles
- Do not touch screw terminals or bare conductors with your hands
- Do not work on wiring when an electrical storm is in the vicinity
- Cables and power cables must be separated by a minimum distance of 50mm or by a physical barrier such as a wall stud or a floor-ceiling joist. Where this separation is not possible, install the cables in PVC pipe of conduit
- The locations of the FOXTEL Digital outlet and the Telecommunications outlet (telephone socket) must be separated from the power sockets by a minimum distance of 150mm or a barrier of insulating material such as a wall stud
- Do not position FOXTEL Digital outlets or Telecommunications outlets (telephone sockets) directly above or below power outlets. Where possible position the FOXTEL Digital outlet or Telecommunications outlet (telephone socket) at the same level as the power outlet
- Where installed in stud walls, FOXTEL Digital outlets or Telecommunications outlets (telephone sockets) should be located so that the cables run through a separate stud to the power cabling.

When it comes to safety, you must satisfy yourself as to the appropriate precautions to be taken. It is important to note that the above is a guide only.

TESTING YOUR WIRING

Once your home is pre-wired for FOXTEL Digital, call FOXTEL on 131 999 to book an appointment for connection to FOXTEL. When you book your FOXTEL Digital connection advise the Entertainment Consultant that you have pre-wired your premises. The Entertainment Consultant will also advise you on FOXTEL Digital's pricing, packaging and installation details.

Before connecting your FOXTEL Digital service, the FOXTEL Customer Service Technician will visually inspect your pre-wiring. If it is apparent that your pre-wiring does not meet FOXTEL's standards, the FOXTEL Customer Service Technician will advise you accordingly. However, FOXTEL takes no responsibility for any fault which is not apparent from a standard inspection. At this point, you may go ahead with the connection allowing the FOXTEL Customer Service Technician to re-wire your premises, or you can address the problems yourself and postpone the connection. If the pre-wiring appears to meet the required standards, the connection will proceed as normal.

At connection to FOXTEL Digital, your pre-wiring will be comprehensively tested to ensure the signal quality. If your wiring does not pass FOXTEL's tests, the FOXTEL Customer Service Technician will advise you accordingly. You can then choose to make the necessary changes yourself (and re-connect at a later date) or allow the FOXTEL Customer Service Technician to install their own wiring. Please note that any necessary changes will be at your own expense.

PLEASE NOTE

1. If your cabling meets the required standards it will be connected to the FOXTEL Digital system. While your cabling is connected to FOXTEL it will form part of the FOXTEL Digital system and be maintained by FOXTEL. The maintenance will be provided at no extra cost in accordance with FOXTEL's standard terms, conditions and pricing guidelines, which you will receive on or before the connection. However, if you or someone else damages it, you will be charged for the repair

2. To ensure the highest standards of signal delivery while your cabling is connected to the FOXTEL Digital system, any alterations to the in-home cabling must be done by FOXTEL

3. The wiring will not be connected to the FOXTEL Digital system if it does not meet FOXTEL's Digital standards or FOXTEL standards have changed, even if you have followed all the guidelines within this brochure. FOXTEL will not be liable for any costs you incur in ensuring compliance with FOXTEL standards

4. Neither FOXTEL nor any of its related bodies corporate are liable for any damage or injury to yourself, your property or other persons or properties or failure to receive the FOXTEL Digital services, incurred directly in connection with the pre-wiring process, including but not limited to damage arising out of any reliance by you or the service provider on any information contained in this brochure. You must indemnify FOXTEL against any liability, damage or injury inclined by a FOXTEL employee or contractor as a result of your / a services providers per-wiring

5. You must follow all Australian Consumers Association regulations

6. You must follow all Australian Communications Authority (ACA) regulations

7. You must follow all Electrical regulations and guidelines

8. Only a licensed electrician is permitted to work with electricity

9. Only a licensed cabler is permitted to work on telecommunications cable.