

Key information for developers and builders



Australia's broadband network

Fibre to the Node (FTTN)

Builder to supply internal and external conduit paths:

- Use rigid white nominal P20 telecommunications conduits (23mm Internal Diameter) in the trench to the property boundary (connecting to the service drop conduit at the property boundary) and within the house. Glue all joints using solvent cement
- Where a service drop has not been provided the lead-in conduit shall have the draw cord installed from the boundary to the **nbn** utility box (NTD) location, the conduit is to be capped to prevent the ingress of soil /silt
- Ensure the conduits run as straight as possible
- Install 3mm draw cord rated at a minimum 90kg break force or similar. All draw cord must be rot proof/synthetic material (e.g. polypropylene)
- Fix all conduits securely using conduit saddles or similar
- Registered cabler to install a single Internal Cat 5 (min) from the utility box location to the internal telecommunications outlet (T/O)
- Provide a power point (GPO) within 1500mm of the T/O. A GPO would provide power to the customer provided modem
- Each bend radius of the lead-in conduit must be no less than 300mm
- Each bend radius of the internal conduit must be no less than 100mm
- Use no more than 3 x 90° (max) bends between draw points

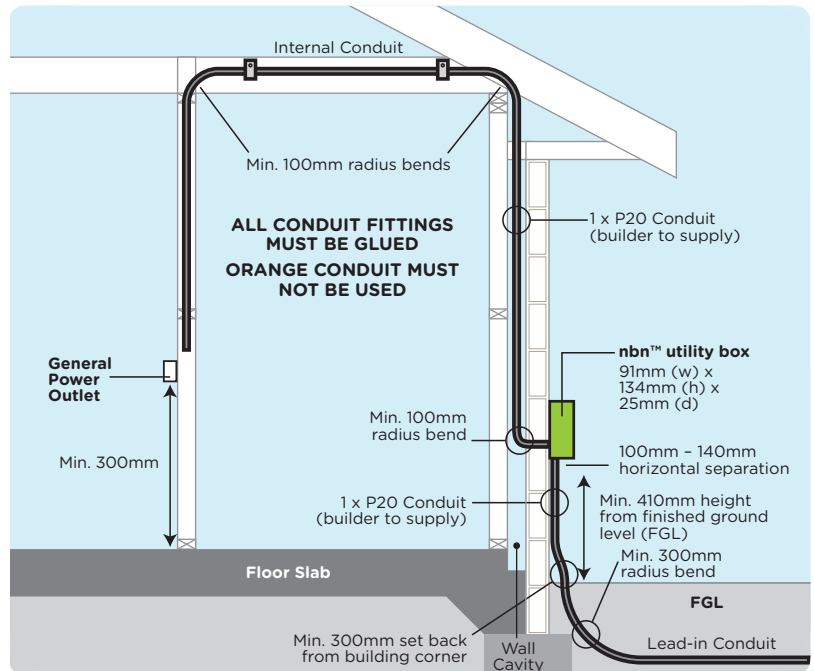
Minimum nbn™ utility box (NTD) separations:

- Electricity, gas* or water meter enclosures
- Water taps or downpipes

Minimum 1.5m side clearance from gas cylinders*

*Check with your local Authorities for their separations.

Must comply with the current version of AS/CA S009 Installation Requirements for Customer Cabling (Wiring Rules).



Refer to the diagram for the internal P20 and lead in conduit configurations

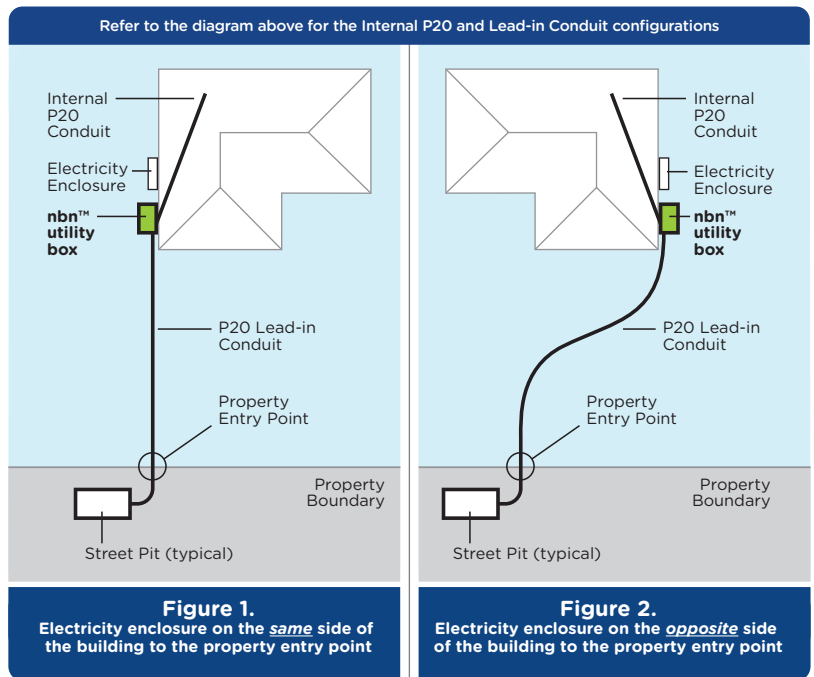


Figure 1. Electricity enclosure on the *same* side of the building to the property entry point

Figure 2. Electricity enclosure on the *opposite* side of the building to the property entry point

nbn to supply:

- The P20 service drop conduit from pit to the property boundary.
- The service drop copper cable to the **nbn**™ utility box location.
- The **nbn**™ utility box.

Preparing new developments for the nbn™ network

It's important that builders and cablers talk to new homeowners about the telecommunications services they may want to access in their homes, and provide guidance on where the internal customer cabling should be located for phone and data outlets.

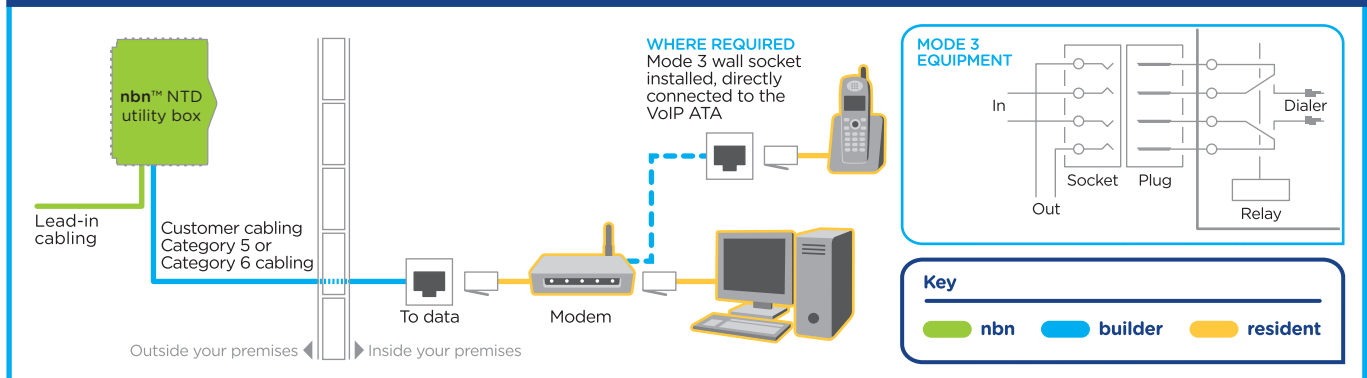
It's important to remember that if customers want to utilise applications like IPTV via Smart TVs in their living

room and telework via HD video conferencing in their office or smart kitchen appliances, they should consider fixed cabling in the home to connect these devices.

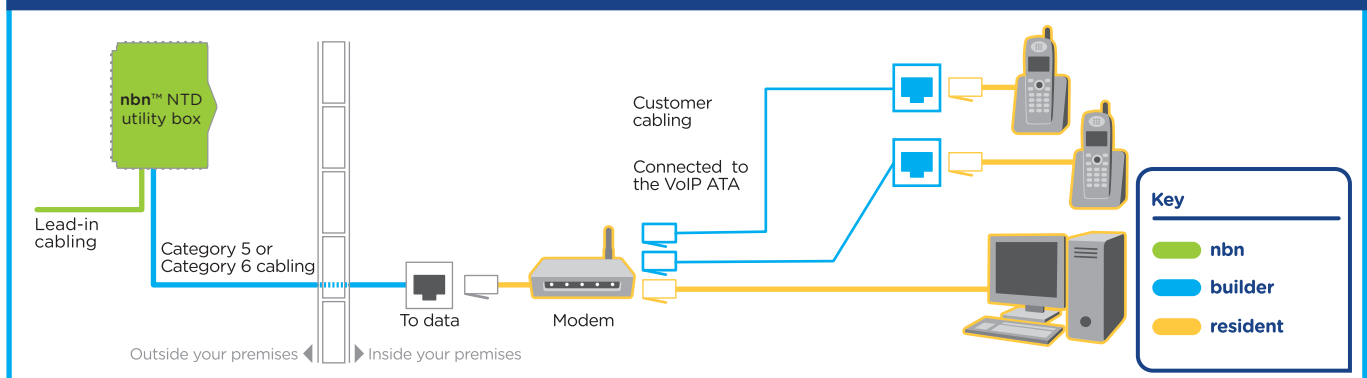
For the appropriate Modem and ATA (analog telephone adaptor) information please contact your preferred RSP.

nbn™ and builder responsibilities

Security alarm wiring, mode 3 configuration

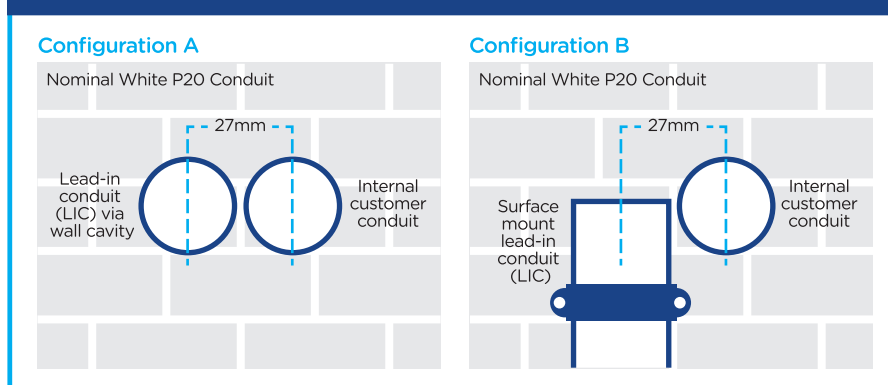


Phone wiring configuration



Configurations

Lead-in conduit configurations



For more information:

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