



If your new property development is an apartment, retirement village, office block or multi-use block, it is most likely a multi-dwelling unit, or MDU.

This guide provides an overview of the work required to connect your development to our network so the new occupants can get great broadband and voice services.

Activity checklist

Jobs for you:

- Dig the lead-in trench from the street to the communications room and install the lead-in pipe in trench ☐
- Provide infrastructure for Chorus to mount cables within the building e.g. cable trays to install the ducts and cable leading up to the location of the first termination box ☐
- Supply installation materials including velcro straps, cable ties, screws, bolts and conduits ☐
- Install distribution and drop cables and all cabling beyond the ONT ☐
- Test and commission the Ethernet cabling in each premise ☐

Jobs for Chorus:

- We'll work with you to provide the design for the fibre lead-in, distribution and drop network ☐
- Supply pipes and fibre cables for the lead-in from the street to the communications room ☐
- Supply all fibre-related material, including cables and termination boxes to the communications room and within the building ☐
- Install termination boxes and terminate the distribution cables and drop cables within the termination boxes ☐
- Perform a quality audit and test the fibre network ☐



Getting your multi-dwelling unit fibre ready

Installing fibre in multi-dwelling units

Getting connected to our fibre network – process and equipment

There are a few steps involved to install fibre in your development and get it connected to our network.

1. Install your lead-in pipe from the street to the building

To get started, you'll need to install your lead-in pipe from the boundary on the street into your communications room, so that we can bring our fibre network into your development. Depending on how many connections there are in your development, the following lead-in pipe sizes will apply:

- If your development has less than 12 connections a 50mm lead-in pipe needs to be used
- If your development has more than 12 customer premises a 100mm lead-in pipe needs to be used

2. Install fibre termination boxes inside the building

We will supply and install a fibre termination box in your communications room and fibre termination boxes on every floor of your development.

There needs to be at least 1.5m of working space in front of the termination boxes. The amount of wall mount space required for these fibre termination boxes will depend on the number of connections in your development. Please check our technical guide for the measurements.

3. Install fibre cable in the building riser

We will supply you with a fibre cable that you will need to install from the fibre termination box in the communications room, up the riser, to each fibre termination box located in the building riser of each floor. See our technical guide for instructions on how to install the cable.

4. Install fibre cable from the riser to each premise

We will supply you with a fibre cable that you will need to install from the fibre termination boxes located in the riser on each floor, to each customer connection point. We recommend installing a conduit from the riser to each customer connection point, which allows for the cable to be easily replaced if there is any cable damage. See our technical guide for instructions on how to install the cable.

5. Install home distributor boxes in each premise

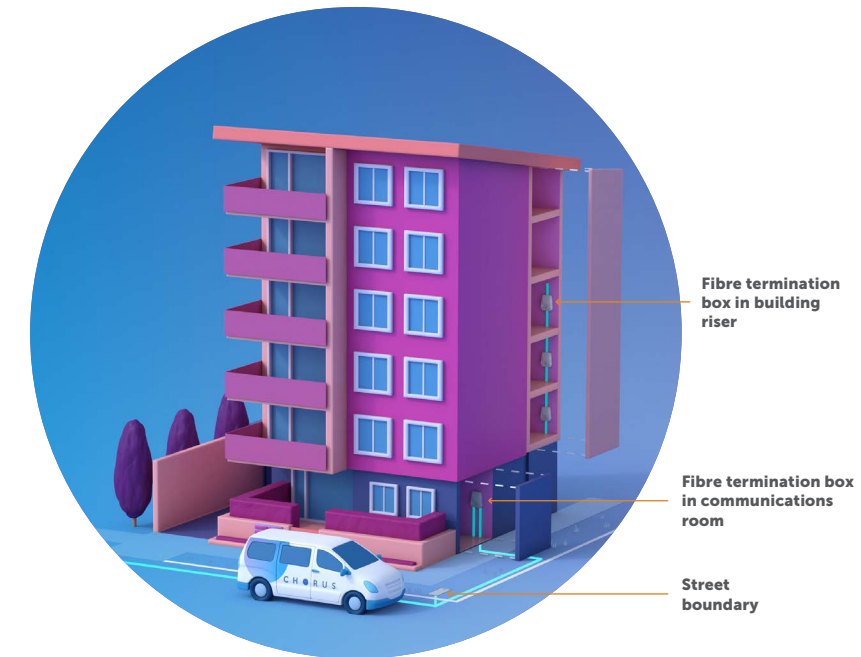
You will need to install a home distributor box in each premise to allow for connectivity points throughout. The home distributor box is where we install the optical network terminal (ONT) – this small device connects the fibre that has been wired outside the premise, to the modem.

If you are placing the modem inside this box, then the cover must be plastic and not metal to allow the modem to transmit. Any power plugs and cables installed must be positioned so that the door to the home distributor box can close.

To make the connection process easier, we install an ONT in every premise so you can market your development as 'fibre ready'. Being 'fibre ready' provides a better experience for your new occupants, as all they'll need to do is plug in the modem they receive from their broadband provider once they place their fibre order.

Fibre equipment and infrastructure

This diagram shows the fibre equipment and infrastructure used to connect your development to our network.



For more information on the MDU fibre installation process, visit www.chorus.co.nz