

BRING YOUR NEW HOME TO LIFE



SO WHAT IS VELOCITY® HOME WIRING?

Telstra Velocity® home wiring lets you get your entertainment and communications from a single fibre-optic cable, instead of having to manage various copper wire connections and antenna/satellite dish installations.

While there are a few extra components to consider, your builder should be able to quote on wiring your home for Telstra Velocity, and once set up you'll be able to enjoy the convenience of one connection.

TO PREPARE YOUR HOME FOR TELSTRA VELOCITY, YOU'LL NEED TO INCLUDE:

01. Dedicated Power Point

You'll need to position a standard electrical power point inside your home, near where you want your Telstra Velocity Power Supply Unit (PSU) to go. For an indoor Optical Network Termination (ONT) the PSU must be within 1 metre of the ONT. For an outdoor ONT, this should be in a utility area like the garage, and will be as close as possible to the point where the optical fibre cable will enter your house.

02. Fixed Phone Connector

Your fixed phone will need a cable that runs from the ONT to the first telephone connection point (or central wiring point) inside your home.

03. Free-to-air (FTA) TV and Foxtel® Cabling

There has to be a cable from the ONT to the point inside where you're planning to have your TV and Foxtel equipment (Foxtel is not available in all areas). If you'll be having several FTA/Foxtel access points, this cabling will need to go to a splitter and then from the splitter to each access point.

04. Broadband Internet Cable

You'll also need a cable from the ONT to the place where you'll be putting your Telstra Velocity Gateway (such as the study, or a central wiring point). Your Gateway will then provide your internet access, firewall, plus both wired and Wi-Fi access for a number of your internet enabled devices.

Note: you need separate cables for your fixed phone and broadband services. Please let your builder know if you live in a Telstra Velocity estate, so they know they can't provide the usual combined cable that would serve a copper wire connection.

05. ONT Earthing

Building designs that commence before 2014 may be based on an outdoor ONT being fixed to the outside of an external wall. In these cases your electrician needs to make sure there's an earthing point that Telstra's technicians will be able to use to earth the ONT. If your home's earth electrode is not accessible from the ONT, an enclosed "Communications Earth Terminal" needs to be installed near the ONT's location.

Telstra cannot guarantee continuity of video services like Foxtel and free to air TV, especially in the event of a network overbuild by NBN Co. You may need to install external antennas and satellite dishes if this happens.

ABBREVIATED TERMS

FTA	Free-To-Air (TV)
STB	Set Top Box (for Free-To-Air TV or Foxtel)
ONT	Optical Network Terminator – the device that provides the telecommunication services
PSU	Power supply unit to run the ONT
RF SPLITTER	Radio Frequency (splitter) – a device that splits the TV/Foxtel signals
HD	Home Distributor (usually includes a phone/data "patch panel")



VELOCITY® BASIC

A straightforward solution with minimal cabling is the Velocity Basic, which simply carries your services to their pre-planned locations. With less flexibility to move things around later, it's an option that's best suited to 1 or 2 bedroom homes and units.

TYPICALLY THIS CONFIGURATION WOULD ALLOW FOR:

- 1 data point (for the internet)
- 2 telephone points
- 2 TV/Foxtel points.

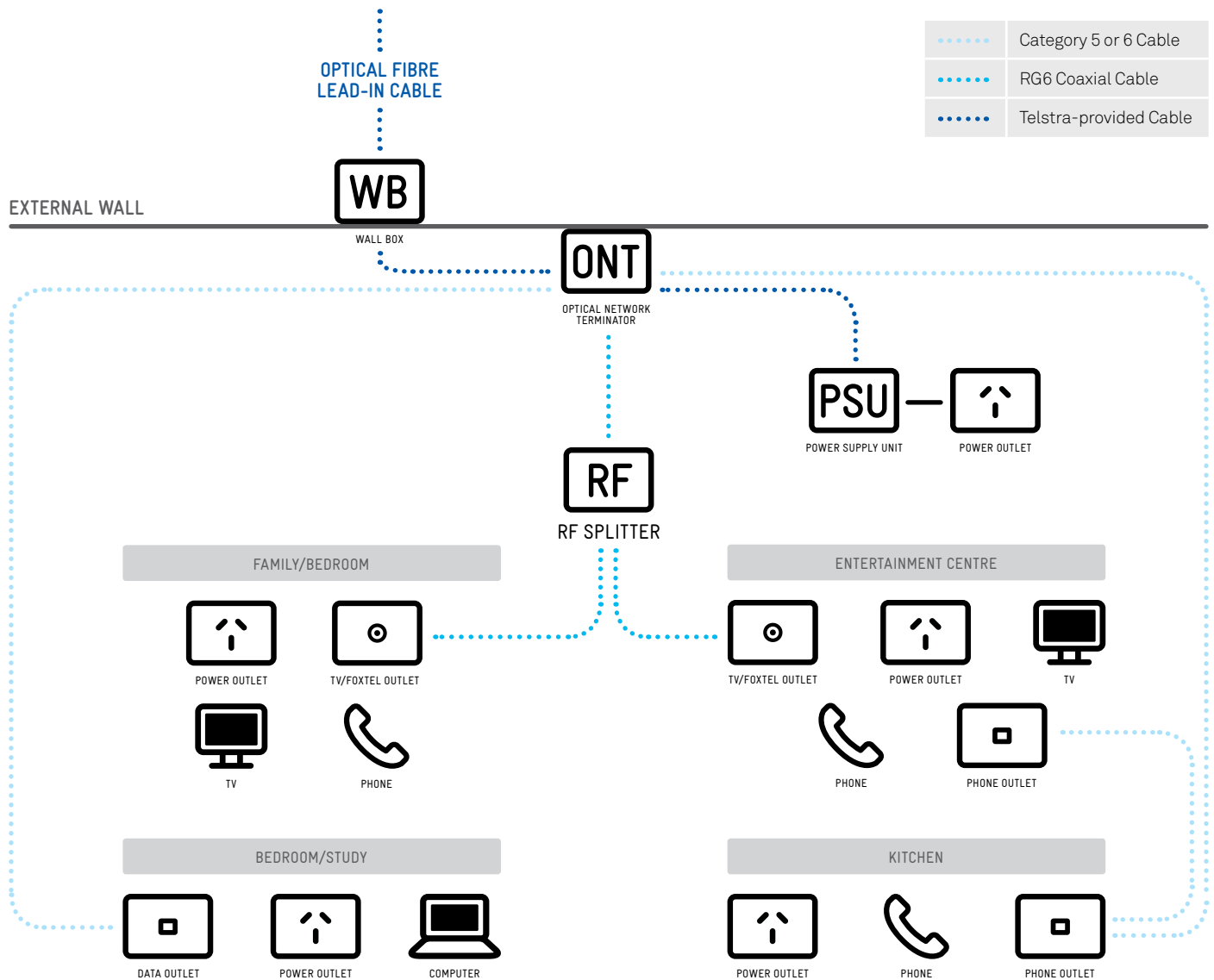
PRIOR TO CONNECTION OF THE SERVICES

YOU AND YOUR BUILDER WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• provide a trench for the lead-in cable (commonly shared with the power and water services)• provide a power outlet adjacent to the ONT/PSU• ensure sockets/wall plates are fitted and tested• ensure a category 5 or 6 cable is run from the data wall plate back to the location of the ONT (for internet services)• ensure a separate category 5 or 6 cable is run from the first phone wall plate back to the location of the ONT (for phone services)• ensure a coaxial cable (RG6 quad shield) is run from each TV point to an RF splitter and then a coaxial cable is run from the splitter back to the location of the ONT (for FTA TV and Foxtel services)• purchase a battery if you require battery back-up in the PSU.	<ul style="list-style-type: none">• install the ONT and PSU• provide the optical fibre lead-in cable• connect the home wiring to the ONT.

EXTRA EQUIPMENT

YOU WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• connect, or request Telstra to connect, the Telstra Velocity Gateway to the data socket and plug it into a power point (for broadband internet connection)• purchase a digital FTA Set Top Box (STB) (for FTA TV and only if you don't have an integrated digital tuner built into your TV)• have Foxtel install a digital STB (for Foxtel services).	<ul style="list-style-type: none">• send you a self-install kit including software and a Telstra Velocity Gateway for broadband internet connection or (if you request it) deliver you these items and install them for you.

HOW VELOCITY® BASIC WORKS



(MINIMUM REQUIREMENT)

FOR MORE INFORMATION INCLUDING
DETAILED DRAWINGS AND DESCRIPTIONS
VISIT telstra.com.au/smartcommunity

VELOCITY® OPTIMISER

Ideal for 2 or 3 bedroom homes and units, Velocity Optimiser includes extra cabling that carries all your services back to one central point (your Home Distributor) – which gives you the flexibility to change your services around later, as your needs change.

TYPICALLY THIS CONFIGURATION WOULD ALLOW FOR:

- 4 telephone or data (internet) points
- Flexible cabling – each socket is capable of being a phone or data (internet) point
- 3 TV/Foxtel points (including a dual-socket point for the entertainment centre).

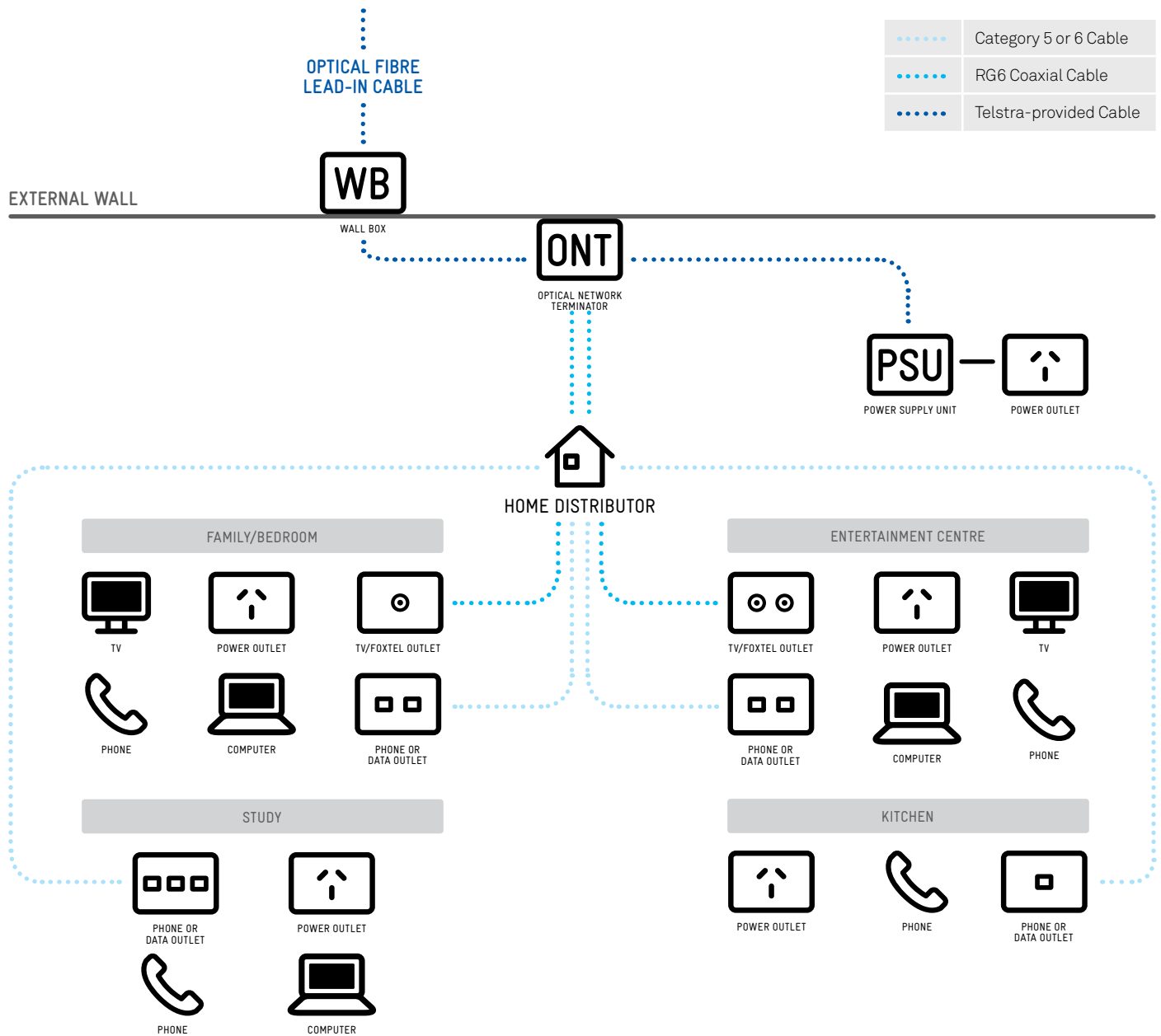
PRIOR TO CONNECTION OF THE SERVICES

YOU AND YOUR BUILDER WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• provide a trench for the lead-in cable (commonly shared with the power or water service)• provide a power outlet adjacent to the ONT/PSU• ensure sockets/wall plates are fitted off and tested• ensure a category 5 or 6 cable is run from each phone/data wall plate back to the location of the Home Distributor (HD) (for phone and internet services)• ensure a coaxial cable (RG6 quad shield) is run from each TV/Foxtel point back to the location of the HD (for FTA TV and Foxtel)• run an additional coaxial cable (RG6 quad shield) from the TV/Foxtel wall plate at the entertainment centre back to the HD location• purchase a battery if you require battery back-up in the PSU• cross connect the home wiring at the HD• provide and run 2 x category 5/6 cables, 1 x RG6 cable and a conduit with a draw string or a Telstra-supplied PSU cable from the location of the HD to the ONT.	<ul style="list-style-type: none">• install the ONT and PSU• provide the optical fibre lead-in cable• connect the home wiring running from the HD onto the ONT.

EXTRA EQUIPMENT

YOU WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• connect, or request Telstra to connect, the Telstra Velocity Gateway to the HD Ethernet (for broadband internet connection)• purchase a digital FTA STB (for FTA TV and only if you don't have an integrated digital tuner built into your TV)• have Foxtel install a digital STB (for Foxtel services).	<ul style="list-style-type: none">• send you a self-install kit including software and a Telstra Velocity Gateway for broadband internet connection or (if you request it) deliver you these items and install them for you.

HOW VELOCITY® OPTIMISER WORKS



(MINIMUM REQUIREMENT)
ONT & PSU MAY BE CO-LOCATED WITH THE HD

FOR MORE INFORMATION INCLUDING
DETAILED DRAWINGS AND DESCRIPTIONS
VISIT telstra.com.au/smartcommunity

VELOCITY® ENTERTAINER

Get the ultimate home networking and entertainment solution, with maximum flexibility built in. Velocity Entertainer brings all your service cables back to a central point (your Home Distributor) so you can change things around as and when you like.

TYPICALLY THIS CONFIGURATION WOULD ALLOW FOR:

- 1 telephone or data point (for phone and internet)
- 1 double TV/Foxtel point (for simultaneous FTA TV and Foxtel access)
- Provision is made for broadcasting in-home generated TV programs throughout the home from the entertainment centre.

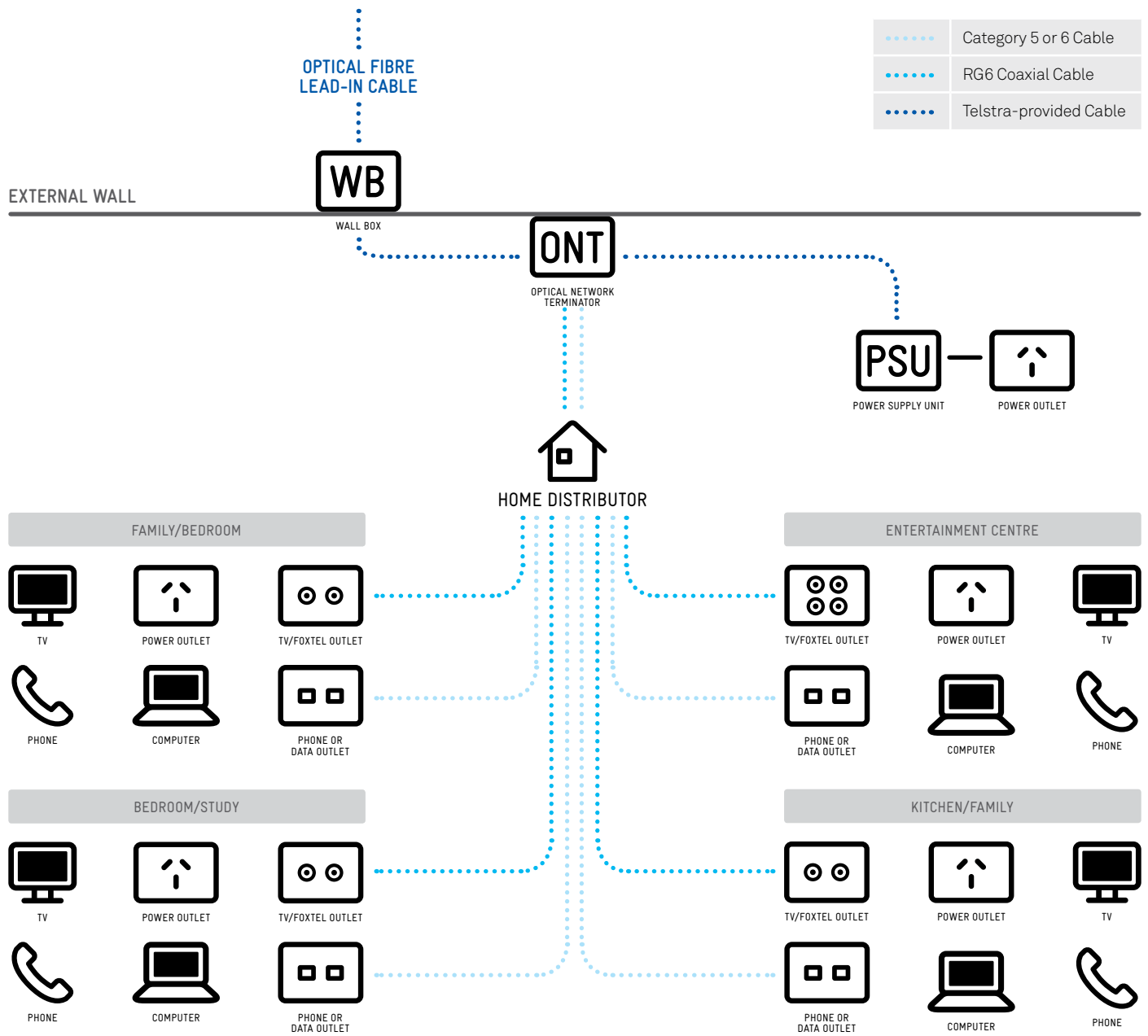
PRIOR TO CONNECTION OF THE SERVICES

YOU AND YOUR BUILDER WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• provide a trench for the lead-in cable (commonly shared with the power or water service)• provide a power outlet adjacent to the ONT/PSU• ensure sockets/wall plates are fitted off and tested• ensure two category 5 or 6 cables are run from each phone/data wall plate back to the location of the HD (for phone and internet services)• ensure two coaxial cables (RG6 quad shield) are run from each TV/Foxtel point back to the location of the HD (for FTA and Foxtel)• run two additional coaxial cables (RG6 quad shield) from the TV/Foxtel wall plate at the entertainment centre back to the HD location• provide and install a HD ("patch panel") including at least one double power point• purchase a battery if you require battery back-up in the PSU• cross connect the home wiring at the HD• provide and run 3 x category 5/6 cables, 1 x RG6 cable and a conduit with a draw string or a Telstra-supplied PSU cable from the location of the HD to the ONT.	<ul style="list-style-type: none">• install the ONT and PSU• provide the optical fibre lead-in cable• connect the home wiring running from the HD onto the ONT.

EXTRA EQUIPMENT

YOU WILL NEED TO:	TELSTRA WILL:
<ul style="list-style-type: none">• connect, or request Telstra to connect, the Telstra Velocity Gateway to the HD Ethernet (for broadband internet connection)• purchase a digital FTA STB (for FTA TV and only if you don't have an integrated digital tuner built into your TV)• have Foxtel install a digital STB (for Foxtel services).	<ul style="list-style-type: none">• send you a self-install kit including software and a Telstra Velocity Gateway for broadband internet connection or (if you request it) deliver you these items and install them for you.

HOW VELOCITY® ENTERTAINER WORKS



(MINIMUM REQUIREMENT)
ONT & PSU MAY BE CO-LOCATED WITH THE HD

FOR MORE INFORMATION INCLUDING
DETAILED DRAWINGS AND DESCRIPTIONS
VISIT telstra.com.au/smartcommunity

The spectrum device is a trade mark of Telstra Corporation Limited.™ and © are trade marks and registered trade marks of Telstra Corporation Limited, ABN 33 051 775 56. Foxtel marks are used under licence by Foxtel Management Pty Limited.