

## HOW IT WORKS

FibreConnect provides dark fibre connectivity between your sites and is provided without information signal processing, fibre optic transmission equipment (e.g. intermediate repeaters), termination equipment, protocol definitions, operational management, or network services.

You can choose between a single strand of fibre or paired fibre. The service can be taken in different configurations such as Point-to-point, Mesh or Ring.

**SLA options:** FibreConnect is available with two SLA options. The 'enhanced' SLA is ideal for business critical applications with a 24x7 coverage for fault restoration and periodic status updates. The standard SLA is suited to non-critical business scenarios with fault restoration within business hours.

### ADDITIONAL OPTIONS:

**Diversity options:** We offer access diversity with separate entries into sites and route diversity with physical separation between fibre links where possible.

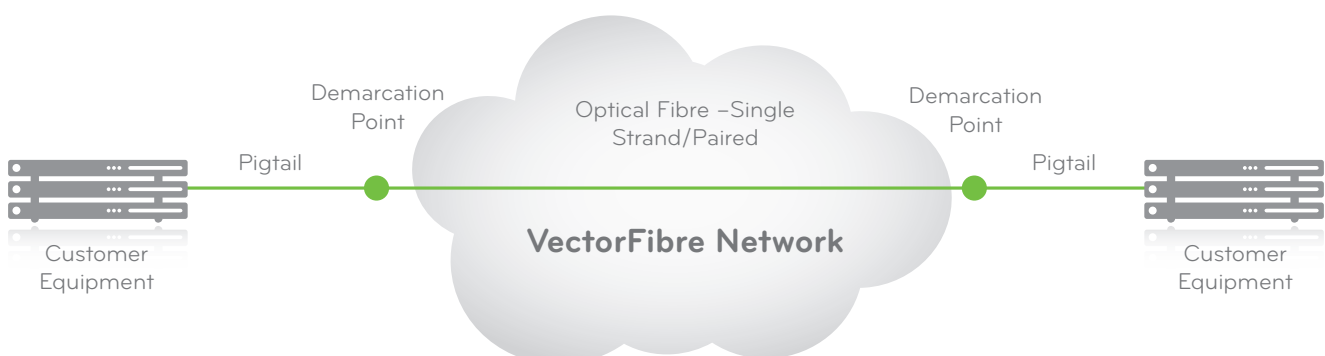
**Fibre survey report:** You can request an additional report of our fibre route for your records to ensure diversity or for other monitoring and assurance purposes.

**Fibre connector maintenance:** This involves engineering services associated with the fibre connectivity and includes activities such as connector cleaning or replacement of connectors.

## TECHNOLOGY OVERVIEW

FibreConnect offers you a point-to-point fibre connection between the two locations you have chosen.

The Demarcation Point for our network at each site will be the connector on our fibre presented to you. We will be responsible for managing the performance and maintenance of the Service up to the Demarcation Point only.



The majority of the joints are fusion spliced and do not involve any mechanical joints. In addition, most of our fibre is deployed underground or alongside power lines minimising chances of disruption.

### SERVICE SPECIFICATIONS

Technical Specification	
Fibre Type	Single Mode
Fibre Standard	ITU-T G652.D*
Connector Types	LC, SC, FC
Attenuation @ 1550 nm	<0.35 dB/Km
Attenuation @ 1625 nm	<0.25 dB/Km
Fibre polarisation mode dispersion**	<0.50 ps/sqrt (km)
Insertion loss @ 1310 nm	0.2 dB
Insertion loss @ 1550 nm	0.15 dB

Performance	
Average splice attenuation	0.06 dB
Maximum individual splice attenuation	0.16 dB

\* Not applicable for distances less than 20 kilometres

\*\* ITU-T G652.A/B for certain segments for a small percentage of routes

SLA Options	
Standard SLA	
Enhanced SLA	

Make sure your business gets the full benefit of FibreConnect as soon as possible.  
Call Vector Communications on 0800 826 436 or email [contactus@vector.co.nz](mailto:contactus@vector.co.nz) today.