



# FibreLINK

## Point-to-Point



FibreLINK provides the ultimate in flexible and secure networking in the Wellington and Auckland CBDs. We give you exclusive use of a dedicated point-to-point dual fibre circuit. You have the freedom to select the technology you attach at either end so you can operate the circuit at whatever speed and protocol you choose. Dedicated fibre networks give you the flexibility to expand transmission capacity to previously unattainable bandwidth and the potential to exploit advances in transmission technologies when they best suit your requirements.



- Total Control**  
FibreLINK provides you maximum control! Once the dual fibre circuit is established, your organisation has the freedom to choose how you use it. You have the ability to benefit from future advances in technology, your organisation will no longer be limited to the legacy systems of service providers.
- Almost Limitless Bandwidth**  
Lack of bandwidth no longer needs to constrain your innovation because you have full control over your networking capabilities.
- Inherent Security Advantages**  
FibreLINK is delivered floor to floor rather than PBX room to exchange. Therefore it combines the inherent security advantages of optical fibre (which is difficult to intercept) with complete visibility and control of all the electronic components in your network.
- Known Costs**  
Dedicated fibre networks from CityLink create a manageable platform with known costs for each fibre circuit. These costs are independent of the transmission speed you deploy.
- Redundancy Options**  
FibreLINK provides options for very high reliability by engineering diverse dedicated fibre rings. See our FibreLINK Ring Networks brochure for more details.

## Fibre Specifications

CityLink deploy telecommunications industry standard fibre cable which is capable of supporting almost limitless bandwidth. The maximum bandwidth that can be achieved is subject to the type of terminal equipment used and the fibre distance between the terminal equipment.

Fibre type	ITU-U G652
Core Diameter	8.3 m
Mode Field Diameter @ 1310 Mode Field Diameter @ 1550	9.3 ± 0.5 µm 10.5 ± 1.0 µm
Maximum Dispersion Slope	0.092 ps/nm <sup>2</sup> km
Nominal Cladding Diameter	125 ± 1.0 µm

Customer Support	24 hours x 7 days
Loss values: Insertion Loss Return Loss	Max 0.3 dB typical 0.1 dB Min 26 dB typical > 40 dB

## Customer Requirements

The customer connection will be delivered with single mode SC socket connectors mounted in a fibre tray in your rack or on the wall. Patch cords are your responsibility, if connectors other than SC are required you will need to source a conversion patch cord.

Connector type	SC Duplex	
Loss Values: Insertion Loss Return Loss	Max 0.3 dB Min 26	Typical 0.1 dB Typical > 40 dB

For more FibreLINK Options see  
FibreLINK Ring Networks (Brochure)

## About CityLink

CityLink is the leading supplier of dedicated fibre services connecting businesses since 1995.

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[www.citylink.co.nz](http://www.citylink.co.nz)



*Serious Broadband*