

# Southern Cross Cable Network

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**LARGEST OWNERS**

Telecom New Zealand .....	50.0%
SingTel Optus .....	40.0%
Verizon .....	10.0%

**COMMENTS**

The Southern Cross Cable Network directly connects Australia, New Zealand, Fiji, and Hawaii to the west coast of the United States. The company operates independently from its three shareholders—SingTel Optus, Telecom New Zealand, and MCI.

Southern Cross is a two-cable network with an inter-link between the Hawaiian landing points that is used for the Hawaii-U.S. and Australia-New Zealand rings. The links from Hawaii to Australia and New Zealand are comprised of three fiber pairs for 480 Gbps of total upgradeable capacity. The California to Hawaii ring contains four fiber pairs for a capacity of 640 Gbps. In addition to its submarine segments, the Southern Cross network includes terrestrial links connecting multiple landing points in Australia, the U.S. mainland, and New Zealand.

**READY FOR SERVICE DATE (RFS)**

November 2000

**CABLE CAPACITY**

	Fiber Pairs	Wavelengths per Fiber Pair	Gbps per Wavelength	Total Capacity (Gbps)
2006	3	16	2.5/10	240
Fully upgraded	3/4	16	10	480

System is a self-healing ring. Cable capacity data shown above is presented in terms of protected capacity.

**CABLE LENGTH**

30500 km

**BANDWIDTH PRODUCTS**

**Wavelengths**

- 2.5 Gbps Wavelength
- 10 Gbps Wavelength
- Unprotected Wavelength

**SDH/SONET**

- E-1/T-1
- E-3/DS-3
- STM-1/OC-3
- STM-4/OC-12
- STM-16/OC-48
- STM-64/OC-192
- Unprotected SDH/SONET

**Ethernet**

- 10 Mbps Ethernet
- 100 Mbps Ethernet
- Gigabit Ethernet

**Other**

- Fiber Pairs

**PURCHASE OPTIONS**

**Leases**

- Leases (less than 1 year)
- Leases (1-3 years)
- Leases (over 3 years)
- Convertible Leases

**Indefeasible Rights of Use**

- IRUs

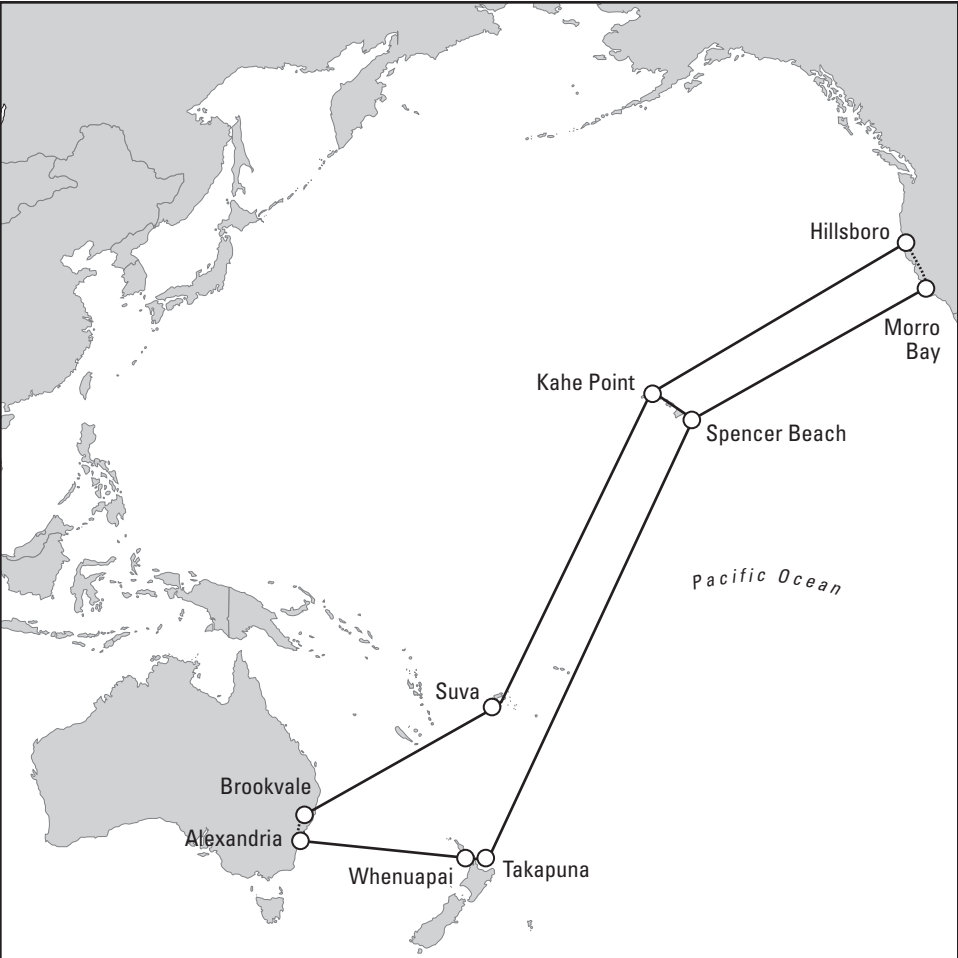
**Backhaul**

Included in the standard product and available for an additional fee

**Colocation**

Available in landing stations

### Southern Cross Cable Network



**LANDING POINTS**

- Alexandria, Australia
- Brookvale, Australia
- Suva, Fiji
- Takapuna, New Zealand
- Whenuapai, New Zealand
- Hillsboro, OR, United States
- Kahe Point, HI, United States
- Morro Bay, CA, United States
- Spencer Beach, HI, United States