



Figure 4. Example of the DiamondBack/Adder 161 Network

Fiber Optic Cable Runs

The optical output from the TX is generated by a laser diode that is coupled to the fiber. User connections are made at a bulkhead ST type connector on the rear panel. Operation is primarily intended for use on single mode fiber; consult the factory for multimode fiber operation.

The input at the RX uses a InGaAs pin diode and amplifier to convert the optical signal back into an electrical signal.

DiamondBack launches the signals into 9 micron diameter core single mode fibers. Assembled cables and connectors are available from Telecast Fiber Systems, Inc.

Warning:

Never look directly into the end of a connected optical fiber while any component is operating; eye damage is possible.