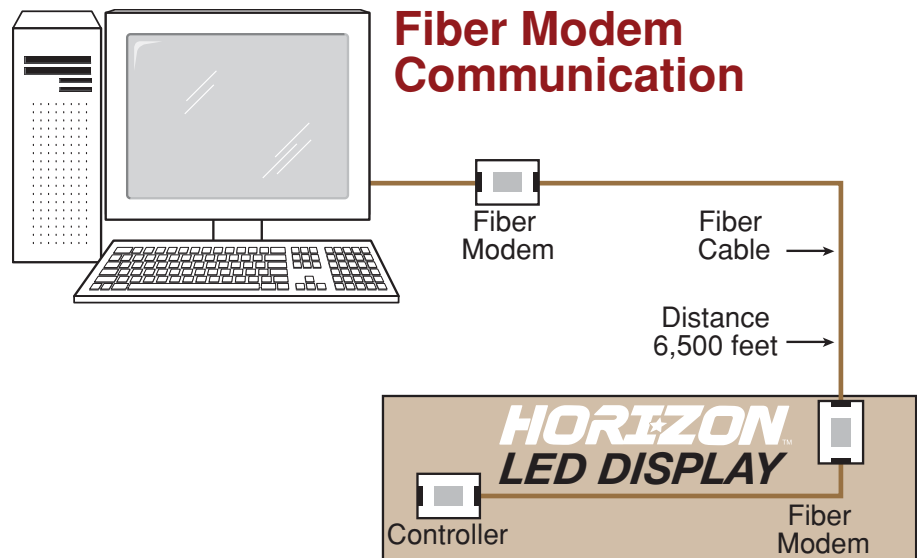


Communicating to Sign

Horizon™ Outdoor LED Signs

Fiber Optic

Hard-wired multi-mode fiber optic cable for communications over 300 feet or in areas where high electromagnetic interference is encountered. Maximum distance is 1.2 miles or approximately 6,500 feet.



DIRECT HARDWIRE – FIBER OPTIC CABLE

In a direct hardwire connection, the sign is connected to a PC running Spectrum's messaging software via fiber optic cable. The cable can be run through the same conduit as the main power line within certain NEC regulations. The connectivity is PC to a fiber modem, to fiber cable, to another fiber modem, to the network port on the sign controller.

Advantages:

1. It is the fastest communication method.
2. It is not affected by static or power and lightning surges. (Communications only)
3. It can be ran in same conduit as power - reducing installation cost/amount of conduit.

Considerations:

1. It can be a costly installation method. The cable needs to be hardwired from the PC to the sign. This can mean going through walls, driveways, parking lots, etc.
2. The cost of fiber cable can be more than triple the cost of copper cable.

Contact Spectrum for help in selecting the best networking solution for your Horizon Outdoor LED Signs.