

Fiber Optics

A company has two offices, Office A and Office B, located in different parts of the city. The company requires a high-speed and secure connection between the two offices. The network administrator installs a fiber optic cable directly connecting the two offices. The bandwidth of this fiber link is reserved exclusively for the company's network and is not shared with other customers.

Question:

What type of fiber optic network connection is described in the scenario? Explain how it works and state one advantage of using this type of connection.