Higher Bandwidth and Speed

Fiber optic cables can achieve data rates from several Gbps to over 100 Gbps. Exciting applications like cloud computing and real-time analytics require these capacities.

For example, Google Cloud uses fiber optics to handle massive amounts of data, helping organizations run their operations smoothly.

Fiber in data centers operates at incredible speeds, potentially transmitting data at the speed of light. This speed is unparalleled compared to traditional copper cables, making fiber optics the preferred choice for high-speed data transmission within data center environments.

The precise speed can vary based on factors like the type of fiber optic cable used, but it commonly ranges from 10 to 100 gigabits per second (Gbps) and can even extend to terabits per second (Tbps) in advanced setups.

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