Reasons IT Professionals Prefer

FIBER OPTIC CABLE

Quicker Transmission

Data transmission rates are measured using bandwidths and gigabits.

Copper-based transmissions have a bandwidth limit of 40 Gbps, whereas fiber optics can transport data at nearly the speed of light.

As a result, fiber optic cables are a better option.

DID YOU KNOW?

If properly installed, modern optical fiber can transmit up to **15.5 terabits** of data per second

Better Optimization

Fiber optic strands are extremely thin and are measured in microns or millionths of a meter.

Since these cables are so delicate, installing and organizing them is simple.

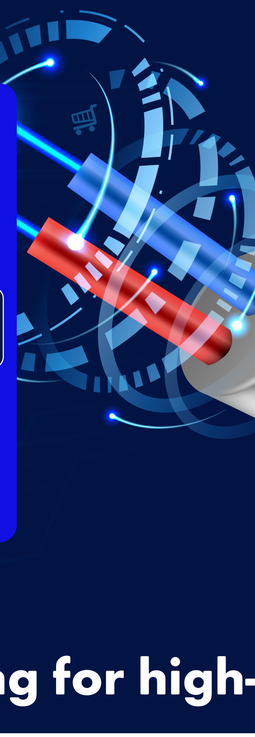
When wires aren't tangled with one another, it's easier to access network components and troubleshoot problems.

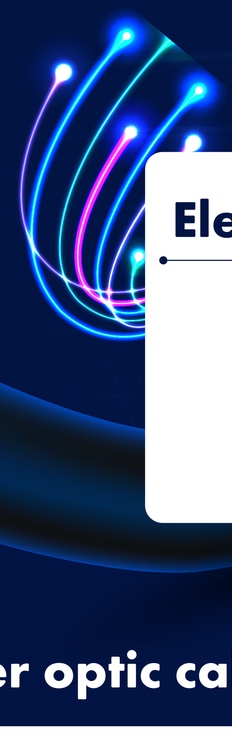
Cover Greater Distances

Fiber optic cables can transmit data.

Copper cable lengths are limited to approximately 100 meters (330 feet).

Depending on signaling and cable type, fiber optic can transmit data over 24 miles!

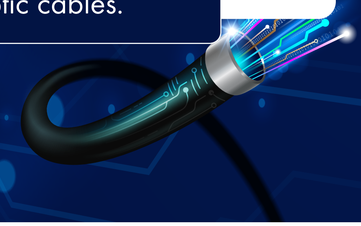




Electromagnetic Interference (EMI)

Since the light transmission in fiber optics doesn't generate EMI, fiber is more secure and requires less retransmission, resulting in a higher ROI.

This is why IT professionals don't have to worry about crosstalk with fiber optic cables.



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