

Fiber vs Coax - a compelling comparison

Simplify the solution with *ViaLite's* RF over Fiber

ViaLite RFoF links have far greater capacity than traditional coaxial cable.

ViaLite offers up to 96 simultaneous channels with DWDM compared to coax's solitary one channel.

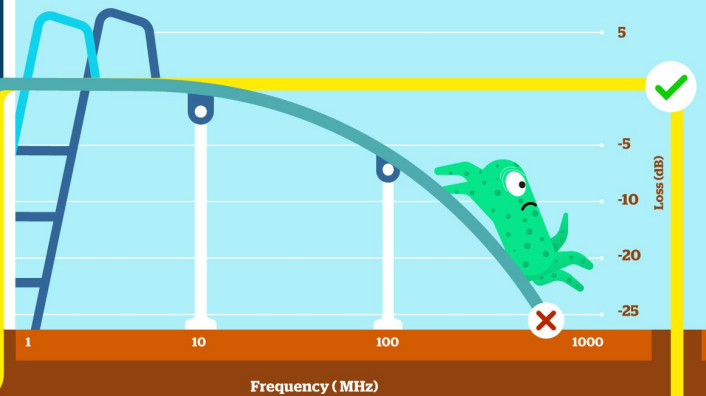


— Fiber wire
— Coax wire

Coax loss slides off the chart!

Single mode fiber has very low loss over long distances (less than 0.5 dB/km) maintaining the dynamic range.

Loss vs Frequency Comparison for 1 km Fiber & 100 m Coaxial Cable



Light signals sent over fiber cannot be intercepted without breaking cables; providing security against signal interception.

Coax can be intercepted without the receiver noticing!

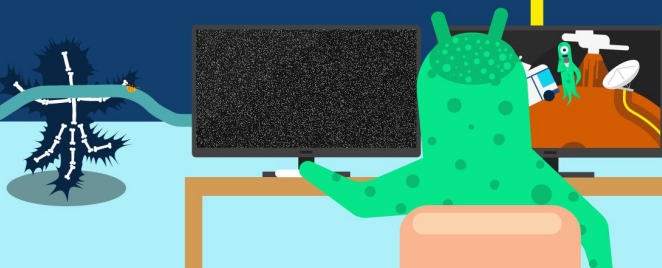


ViaLite's RFoF is not distance-limited, covering over 600 km unlike coax which only goes to 100 m (approx.).

Plus, the cost of fiber cable is on its way down while the cost of copper is going up!

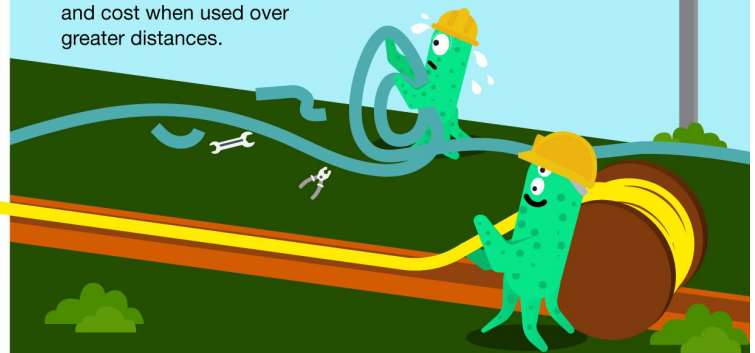


Unlike coax, fiber is non-conductive making it immune to EMI, RFI and the effects of a lightning strike.



Fiber is flexible and lightweight for ease of installation.

Coax increases in size, weight and cost when used over greater distances.



Go further with fiber

Source: www.vialite.com

ViaLite
COMMUNICATIONS