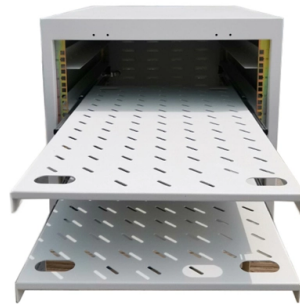


Fiber optic communication I don t know which one it is



Overview

Fiber-optic communication is a form of optical communication for transmitting information from one place to another by sending pulses of infrared or visible light through an optical fiber. The light is a form of carrier wave that is modulated to carry information. Fiber is preferred. An optical fiber, or optical fibre, is a flexible glass or plastic fiber that can transmit light from one end to the other. These two categories define how light travels through the fiber core: Transmits a single light mode; very low attenuation; supports long-distance transmission up to 100 km or more. They have a central core surrounded by a concentric cladding with slightly lower (by $\approx 1\%$) refractive index. Optical fibers are typically made of silica with index-modifying dopants such as GeO_2 .



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Optical fiber

Because of these properties, silica fibers are the material of choice in many optical applications, such as communications (except for

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Definition and explanation of fiber optics. Learn more about the meaning of fiber optics from Verizon's dictionary of technical terms.

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Types of fibre optics

Throughout the article we have analysed different types of fibre optics that may exist, depending on the material it is

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It could be defined as the transmission of data by means of thin plastic or glass wires that send information through

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Optical fiber

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And it's not just about the serious stuff — fiber optic cables are used in aircraft entertainment systems because

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