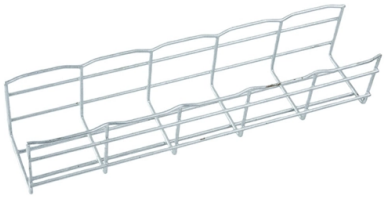
Fiber optic cables are very complex



Overview

Fiber optic cables are a marvel of modern engineering. Starting with a chunk of ultra-pure glass, they're transformed through high-temperature furnaces, microscopic precision, and protective armoring into the fast, reliable cables that power our internet. Unlike traditional copper or. A fiber-optic cable, also known as an optical-fiber cable, is an assembly similar to an electrical cable but containing one or more optical fibers that are used to carry light. In addition to this, they find great use in data centers, telecommunications infrastructure, and enterprise networks; knowing their structure guarantees proper deployment and a. Fiber-optic cables are at the core of modern communication networks, enabling the transmission of data at high speeds and over long distances with minimal signal loss. This pack of glass which is within sorts of threads transmits modulated messages along sunshine waves.

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