

# Fiber Optic Cable Production

## Description:

### Fiber Optic Cable Production. Optical Fiber Cable Manufacturing Industry

An optical fiber cable is a type of cable that has a number of optical fibers bundled together, which are normally covered in their individual protective plastic covers. Optical cables are used to transfer digital data signals in the form of light up to distances of hundreds of miles with higher throughput rates than those achievable via electrical communication cables. All optical fibers use a core of hair-like transparent silicon covered with less refractive indexed cladding to avoid light leakage to the surroundings. Due to the extreme sensitivity of the optical fiber, it is normally covered with a high-strength, lightweight protective material like Kevlar. Optical fiber cable is widely used in fiber optic communications.

Fiber optic cables find many uses in a wide variety of industries and applications. Some uses of fiber optic cables include:

#### •Medical

Used as light guides, imaging tools and also as lasers for surgeries

#### •Defense/Government

Used as hydrophones for seismic and SONAR uses, as wiring in aircraft, submarines and other vehicles and also for field networking

#### •Data Storage

Used for data transmission

#### •Telecommunications

Fiber is laid and used for transmitting and receiving purposes

#### •Networking

Used to connect users and servers in a variety of network settings and help increase the speed and accuracy of data transmission

**For more details download PDF file.**

**Keywords:** Fiber Optical Cables, Fiber Optic Cable Production, Production of Fiber Optic Cable, Manufacture of Fibre Optic Cable, Fiber Optic Cable Manufacturing, How Fiber Optics are made, Fiber-Optic Cable Manufacturing Industry, Manufacturing Process of Fiber Optic Cable, Optical Fiber Cable Manufacture, Manufacturing of Fiber Optic Cables, Optical Fiber Production, Fiber Optic & Cable, Optical Fiber Manufacturing Process Pdf, Optical Fibre Manufacturing Process PPT, Fiber Optical Cables Manufacturing P

**Created At:** 28 Aug, 2018