

Removal of underground cables and optical fibers



Article Overview

Underground cables and optical fibers can be safely removed by carefully accessing conduits, pulling out existing cables, and following proper safety and environmental protocols.

Accessing the Cables

Most underground fiber optic cables are installed in conduits or ducts buried 1-1.2 meters deep, sometimes with innerducts or sub-ducts for multiple cables . To remove a cable, first locate the conduit using marker tape or utility maps. Access points such as manholes, handholes, or junction boxes are essential for pulling cables without extensive excavation . In areas where directional boring was used, removal may require specialized equipment to avoid damaging surrounding infrastructure .

Cable Removal Process

- **Prepare the Site:** Clear the area around access points and ensure safety gear is worn. Confirm that the cable is no longer live or carrying data.
- **Disconnect and Label:** Detach the cable from any splices, terminations, or network equipment. Label cables for proper disposal or recycling.
- **Pulling the Cable:** Use a pulling rope or tape through the conduit to extract the cable. For long runs, a cable winch or pulling machine may be necessary to maintain controlled tension and prevent damage to the conduit .
- **Conduit Inspection:** After removal, inspect the conduit for debris, damage, or blockages. Clean or repair as needed to allow future cable installations .

Article Content

OSP Civil Works Guide-FOA

OSP Fiber Optics Civil Works Guide An updated version of this booklet is now available as a textbook on Amazon, is included in the

FOA Standard For Installing Fiber Optic Cable Plants

Fiber optic cables may contain multimode optical fibers, singlemode fibers or a combination of the two, in which case it is generally

Underground Installation of Optic Fiber Cable Placing

Placing cables underground has the added benefits of reducing transmission losses, aiding planning consent and reduced risk of

TSE Underground Cable Handling and Removal Equipment

TSE International is the only manufacturer in the world with a complete line of equipment for removing old cable and installing new

The FOA Reference For Fiber Optics -Outside Plant Construction ...

Alternative methods of deploying underground fiber cables includes using storm water drains and sewers, while another is micro

Direct-Buried Installation of Fiber Optic Cable

Personnel feeding cable into a feed-chute must make sure that they do not position themselves inside a cable loop. Hearing

The FOA Reference For Fiber Optics

Just like "wire" which can mean lots of different things - power, security, HVAC, CCTV, LAN or telephone - fiber optics is not all the

The FOA Reference For Fiber Optics -Outside Plant Construction

Aerial Cable Installation Aerial Cable Installation Deploying fiber above ground on poles or towers removes the need for underground

Instal 04 Buried Cable Installation Practices Iss3

1.0 GENERAL 1.01 This procedure provides general information for the installation of Prysmian fiber optic cables in direct buried

Direct-Buried Installation of Fiber Optic Cable

Cable Precautions / Specifications CAUTION: Take care to avoid cable damage during handling and installation. Fiber optic cable is

Microsoft Word

Individual company practices for placing fiber optic cable should supersede any conflicting instructions in this document when they

Underground Cable Installation

Individual company practices for placing fiber optic cable should supersede any conflicting instructions in this document when they

FOA Standard For Installing Fiber Optic Cable Plants

The type of fiber optic cable and the fibers in the cable should be chosen appropriate for the type of communications system(s) being

How to Fix a Cut Fiber Optic Cable

While a cut or damaged fiber optic cable can temporarily take your network down, it is possible to quickly fix the cable

Contact Us

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