Minimum height of fiber optic cable above ground

Overview

For areas such as sidewalks, backyards, and alleys where only foot traffic is anticipated, the National Electrical Safety Code (NESC) generally requires a minimum vertical clearance of 9. 5 to 10 feet above the ground. The Fiber Optic Association, Inc. (FOA) was founded in 1995 to help develop the workforce to build the fiber optic networks to support a rapid expansion in communications and the Internet. The charter of the FOA was to promote professionalism in fiber optics through education, certification, and. Deploying fiber above ground on poles or towers removes the need for underground digging and is particularly useful when the ground is uneven, rocky or both. Establishing minimum height requirements prevents unintentional snagging by tall equipment or vehicles and reduces the risk of injury to individuals carrying long. 4. FO-VC2 JOINT USE - VERICAL MIDSPAN CLEARANCES 48. FO-RI JOINT USE RISER. Deployment of fiber cable can be either buried, or placed above ground (aerial) on poles. The choice between buried and aerial installation is dependent on a number of factors including cost, speed to market, ground conditions, and infrastructure availability.

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Fiber optic cable sequential numbers are required at each pole location and vault wall. Sequential numbers will identify conduit length, and slack left in vaults and at poles.

Support structures for fiber optic cable installations should be completed before the installation of the fiber optic cable itself. Outside plant structures should be installed in conformance with all permits ...

** Fiber Optic Cables in the supply space (Rule 224A) will have the same required clearance to communication cables in the communication space as a multi-grounded neutral (Rule 235C)

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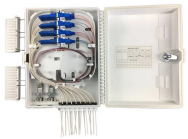
The section outlines the minimum height requirements for overhead broadband communication cables. Cables must be at least 2.9 meters above pedestrian areas, 3.5 meters over residential properties ...

The vertical clearance for overhead fiber optic lines above the highway must be a minimum of 18 feet. The vertical clearance of overhead fiber optic lines relative to other highway structures must provide ...

The usable space on the pole as defined by the FCC is that pole space 18 feet and higher above ground level. The top of the usable pole space is reserved for the Company''s electrical attachments.



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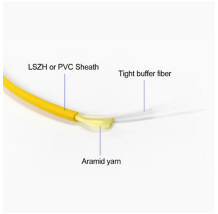
Aerial cable installation can be hazardous as personnel may working at considerable height above the ground on ladders, bucket trucks or even climbing poles and near electrical transmission wires.



The recommended minimum height of the initial third party cable attachment is 23 feet if conditions permit. The bottom portion of the usable pole space is reserved for the communication cable or ...

Contact Us

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