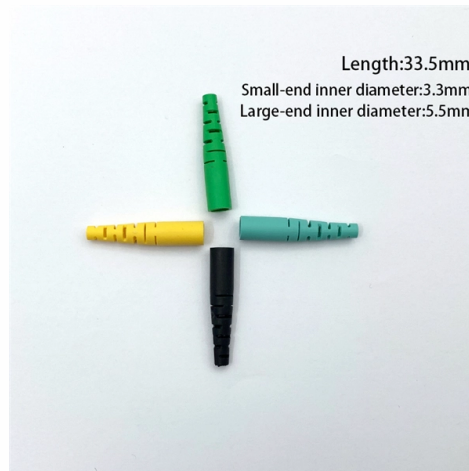


Fiber optic cable overhead road



Overview

An aerial fiber network uses existing telephone or power poles to hang fiber optic cables overhead. An optical ground wire (also known as an OPGW or, in the IEEE standard, an optical fiber composite overhead ground wire) is a type of cable that is used in overhead power lines. Such cable combines the functions of grounding and telecommunications. Application OPGW is mainly applied in communication line of newly constructed high voltage transmit electricity system with 35 KV or above, or replacement of existing ground wire of previous overhead high voltage transmit electricity system. 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. FO-VC2 JOINT USE - VERICAL MIDSPAN CLEARANCES 48. I have validated this with coworkers who used to work for the 'local' internet providers (comcast and frontier).



Article Content

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Learn how fiber optic network construction works—from site survey and permits to aerial vs underground fiber cable installation, splicing, and FTTH

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FIBER OPTIC CONSTRUCTION STANDARDS

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.

Optical Fiber Composite Overhead Ground Wire (OPGW)

OPGW is mainly applied in communication line of newly constructed high voltage transmit electricity system with 35 KV or above, or replacement of existing

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