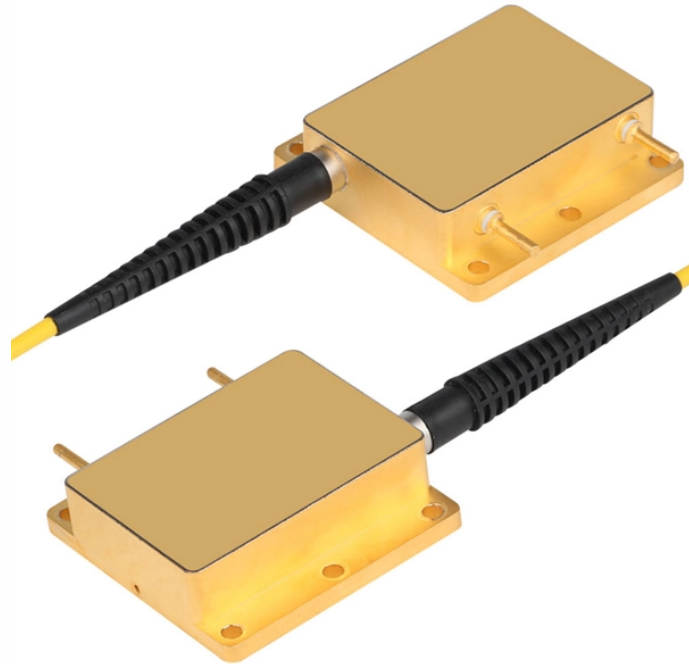


Laying optical cables by traction



Overview

Many people are confused about the hanging of aerial optical cables. In fact, there are two methods for aerial optical cables laying: one is "fixed-pulley traction method", including "manual traction method" and "mechanical traction method"; the other is "cable tray moving 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. Aerial installation is generally much less costly than underground construction also. The bending radius of the optical cable should not be less than 15 times the outer diameter of the optical cable, and should not be less than 20 times during the construction process. When laying loops of fiber on a surface during a pull, use "figure-8" loops to. The most important thing for laying optical cables over long distances is to choose a suitable path. Indoor cables can be installed in raceways, cable trays above ceilings or under. However, fiber optic cable is a high capacity transmission medium which can have its transmission characteristics degraded when subjected to excessive pulling force, sharp bends, and crushing forces.

Laying optical cables by traction



When laying optical cables in the flat environment by overhead method, use hooks to hang them; when laying optical cables in mountains or steep slopes, use binding methods to lay optical ...



A certain amount of plastic pipes can also be pre-laid in the building, and the optical cable can be laid by traction or vacuum method when the optical cable is to be laid later.



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1.2 The traction force for laying the optical cable should not exceed 80% of the allowable tension of the optical cable. The instantaneous maximum pulling force shall not exceed 100% of the allowable ...



The procedure for stripping fiber optic cables is very similar to electronic cables. However, care should be taken not to cut into the layer of aramid directly beneath the jacket.



Individual company practices for placing fiber optic cable should supersede any conflicting instructions in this document when they do not exceed the cable's optical and mechanical performance specifications.



All fiber optic cables have specifications that must not be exceeded during installation to prevent irreparable damage to the cable. This includes pulling tension, minimum bend radius and crush ...



Optical fibre cable laying in external ducting are carried out by deploying the cable through one of the ducts or sub-ducts that make up the available pipeline infrastructure.

Contact Us

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