

Aerial optical cables have no suspension wires



Overview

Aerial optical cable is suspended in the air from poles and/or support structures. Most often it is supported between poles by being lashed to a wire rope messenger strand with a small gauge wire. Because aerial cables are exposed to harsh outdoor environments and extreme weather conditions, their materials must be strong and durable. Aerial work mixes mechanical engineering (span, sag, tension), careful selection of cable types (ADSS, figure-8, lashed) and a disciplined safety-first attitude. (The cable can also be non-metallic). MASS cable is a compact, light-weight solution. 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.

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Aerial outdoor cable is an insulated fiber optic cable, usually containing all the optical fibers needed for a telecommunications line, which is suspended between utility ...



OFS fiber optic cables are easy to handle and are designed to meet the conventional rigors of underground, buried, and aerial environments. Most OFS cables have a maximum rated cable load ...



AFL's MASS (Metallic Aerial Self-Supporting) cable delivers rugged, all-metal construction and integrated fiber optics for aerial installations without messenger wires. Ideal for long-span, high ...



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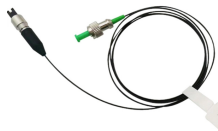
Aerial optical cables can be divided into two categories: self-supporting and Catenary. The choice of these two types depends on the installation location.



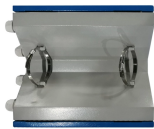
Learn the key types of aerial fiber cables, essential pole hardware, and field-safe installation practices to ensure reliable overhead fiber deployment.



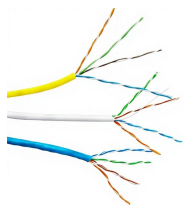
These cables are self supporting cables with an integrated messenger wire in the cable sheath. The messenger gives the cable a sufficient tensile strength and resistance to strain. The messenger is ...



Since aerial cables are expected to last a very long time, the messenger wire and lashing wire material should be chosen appropriately, including corrosion resistance appropriate for the environment ...



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Corning ALTOS® figure-8 gel-free cables are self-supporting aerial cables designed for easy and economical one-step installation. The loose tube design provides stable performance over a wide ...



Aerial fiber optic cable is a type of optical fiber transmission cable used for aerial deployment, suspended on towers, poles, or other supports, suitable for communication needs ...



Messenger strand supports a wide variety of fiber cables including standard loose tube and ribbon cables. If demand grows at a later date, new fiber cables can be lashed on top of each other.

Contact Us

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