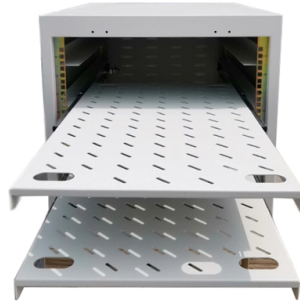


# Types of Roadside Optical Cable Posts



## Overview

The standard utility pole in the United States is about 35 ft (10 m) tall and is buried about 6 ft (2 m) in the ground. In order to meet clearance regulations, poles can, however, reach heights of at least 120 feet (40 meters). They are typically spaced about 125 ft (40 m) apart in urban areas, or about 300 ft (100 m) in rural areas, but distances vary widely based on terrain. Joint-use poles are usually owned by one util.

## Article Overview

Roadside optical cable posts are primarily utility poles made of wood, concrete, steel, aluminum, or composite materials, designed to support aerial fiber optic cables in various configurations.

### Common Types of Roadside Optical Cable Posts

1. **Wooden Poles** Wooden poles are the most traditional and widely used type for supporting optical cables. They are typically made from durable species like southern yellow pine, Douglas fir, or western red cedar, and are often pressure-treated with preservatives to resist rot, fungi, and insect damage. Wooden poles have a lifespan of 25–50 years depending on climate and soil conditions and are suitable for both urban and rural installations . 2. **Concrete Poles** Concrete poles are highly durable and resistant to environmental factors such as fire, rot, and insects. They are often used in areas prone to extreme weather or where long-term stability is required. Concrete poles can support heavier cable loads and are commonly used in high-voltage or high-tension installations . 3. **Steel and Aluminum Poles** Steel and aluminum poles offer high strength and are often used in urban areas or locations requiring slim profiles. Steel poles are robust and can handle heavy cable loads, while aluminum poles are...

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Utility pole

OverviewDescriptionUsePole attachment hardwareAccessDead-end polesHistoryMarkings

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Optical fibers are constructed using a precise process involving a core, cladding, coating, strengthening fibers, and an

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The most common communication cables found on utility poles are copper or fibre-optic cable (FOC) for telephone

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Fiber Optic Splice cases. A typical FOCA splice case will have the majority, if not, all cables entering from one side of the splice

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The FOA Reference For Fiber Optics -Outside Plant Construction

Polyethylene (PE) is the material of choice for use as an aerial OSP cable jacket. The performance of raw PE can degrade rapidly

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CABLE & PIPELINE MARKER The PM-303 Dome Marker Post is a Cable and Pipeline Marker used as a Warning

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Aerial Cable Placing Procedure

Aerial optical cable is suspended in the air from poles and/or support structures. Most often it is supported between poles by being

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Types of Utility Poles- The Ultimate Guide Utility Poles (also referred to as transmission poles, telegraph posts, telephone poles,

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## Contact Us

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