



# Cross Arm

## Introduction

Unicomposite fiberglass cross arms are designed for the unique demands of the utilities industry, deadends and transmission cross arms are engineered to outperform wood and other composite beams – with a track record to prove it. Field-ready in standard sizes, or made-to-order and drilled to spec, count on cross arm for superior load capacity and consistent performance.

## Features and Benefits

- UV stabilized pultruded fiberglass tube
- External and internal UV protective veil
- High density, closed cell, expandable foam
- Field drillable design or custom factory drill patterns
- Environmentally friendly - no chemicals or preservatives
- Alternative and superior product to wooden crossarms without the additional costs of chemical treatments and disposal
- Lighter than wood with consistent material properties
- Improves overall system insulation and integrity
- Quicker installation with no assembly required -units shipped ready to be installed
- Cross-sectional profile meets REA construction guidelines
- Compatible installation with saddle pins on tangent crossarms
- REA drill patterns available

## Applications

Distribution and Transmission  
Deadend Crossarms  
Tangent Crossarms  
Beams- Switch bases  
Substations  
Any wood or steel arm applications

## Comparison with other materials

### High strength

One arm can replace 2 or 3 wood arms

#### **Tangent Structure**

Wood-2200 lbs vertical

Fiberglass- 6,400 lbs+

- **Deadend**
- 3 wood arms= 7,500 lbs
- Single fiberglass deadend= 15k

### 2\*longer life than wood

### 3 levels of UV protection- Critical

UV Inhibitors

UV Veil

UV Coating

Eliminate problems from:

Insects

Wood peckers

## Electrical characteristics

Improve BIL

Exceeds 300 kV Recommend by RUS

Hotstick material- 5kv/ft for 5 mins.

## Cold Temperatures

5% Increase in strength

Increased Stiffness

Material is not brittle

## Category

### Deadend Crossarms

#### Deadend Centermount Specifications

- Bandable
- Keyhole slot
- 12" Pole Mounting Spacing
- 3/4" pole mounting hardware
- "Double nutting" feature