

Tree Wire Systems - Description

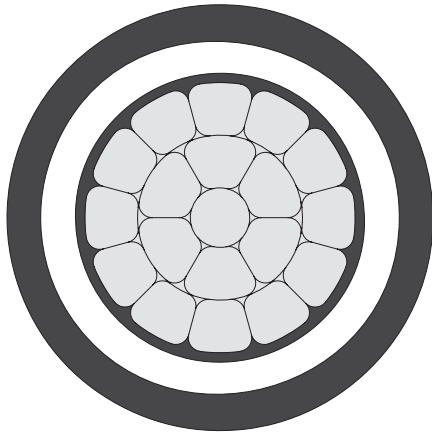
Distribution Systems from 5kV to 46kV

Hendrix Tree Wire Systems consist of covered conductors supported on crossarms using polyethylene pin type insulators. Outages caused by phase to phase contact, animal contact or tree contact are eliminated because of the high dielectric strength of the proprietary, track resistant, high density polyethylene cable covering. Polyethylene pin type insulators are available in either tie top or vise-top versions. Electrical compatibility is ensured since the insulator and cable covering have the same dielectric constant. Phase spacing less than the NESC minimum is possible because the conductors are covered.



Conductors:

- Covering thickness is dependent on system voltage



- 1350-H19 All Aluminum, 6201-T81 Alloy or ACSR conductors
- Black semiconducting conductor shield for 25kV and above. (Recommended at 15kV when prolonged tree contact is expected)
- Inner layer of natural low density polyethylene for high dielectric strength and strippability
- Outer layer of proprietary, black or gray high density polyethylene for resistance to tracking, abrasion and ultraviolet degradation
- Dielectrically compatible with Hendrix pin type insulators
- Should be used with Hendrix polyethylene insulators due to incompatibility with porcelain insulators

Insulators:



- Rated for 15kV, 25kV and 35kV systems
- Proprietary, gray, track resistant, high density polyethylene
- Eliminates electrical erosion of cable covering which occurs when the insulator and cable covering have different dielectric constants
- Standard pin and neck sizes
- Unbreakable and resistant to vandalism
- Light weight compared to porcelain
- Vise-Top insulators have integral conductor clamp
- When used with the VTST-1 stringing tool, the Vise-Top insulator becomes a stringing block
- Designed to be interchangeable with porcelain insulators which are not recommended for use with covered conductors
- Hendrix covered tie wire must be used to secure covered conductors to the tie top insulators