Add Copperhead's Complete Utility Locating System® to Your Armored Fiber Install

Utility engineers need a tracer wire system they can trust to protect fiber investments. Copperhead's Complete Utility Locating System® helps prevent excavation damage and enhance the integrity of armored fiber, which does not claim to be locatable on its own.

Copperhead Complete Utility Locating System® Benefits

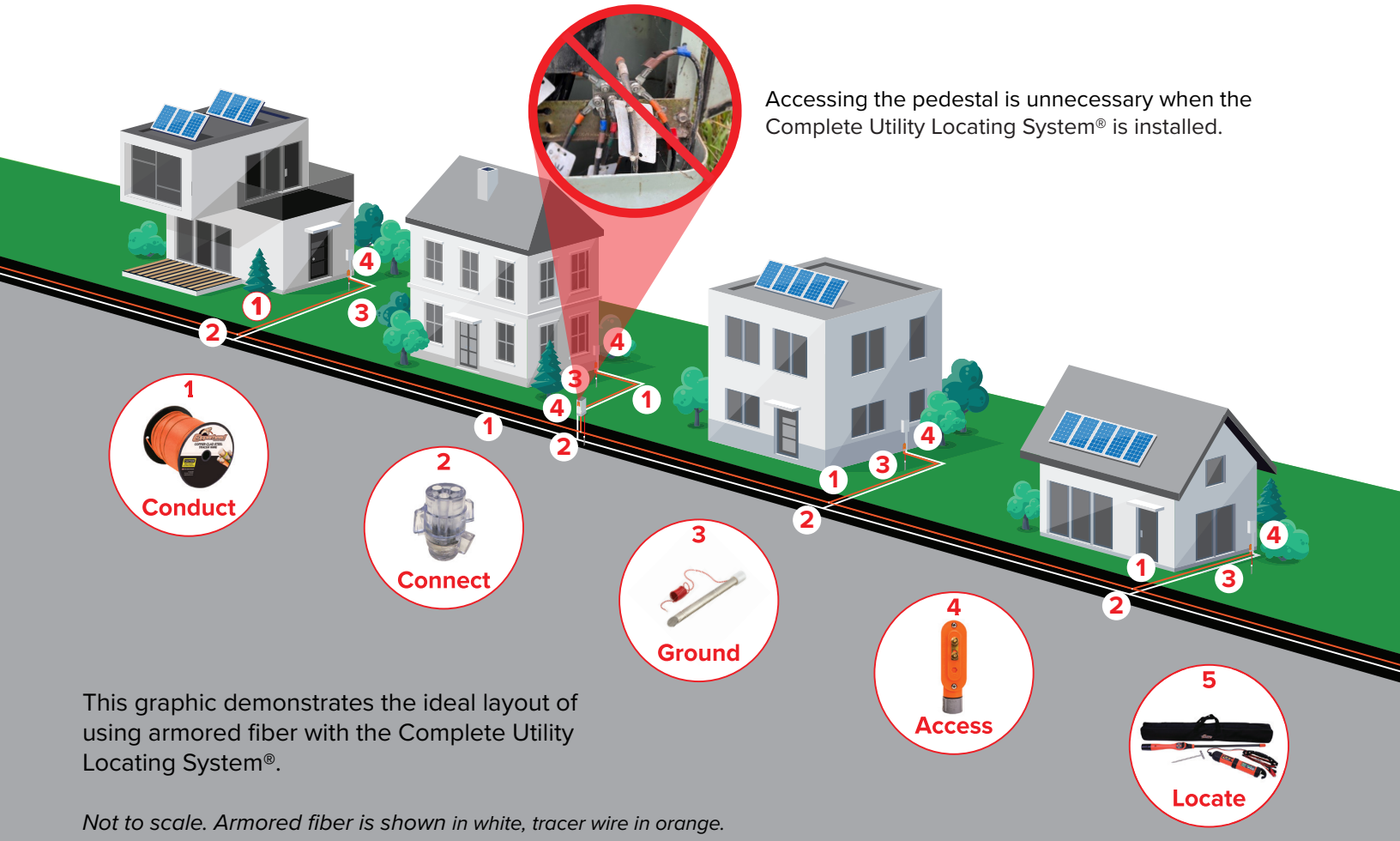
Time Management/Efficiency

- No need to cut into the armored fiber to create grounding
- No additional connections at the access point
- Effective and accurate locating
- Save space inside pedestals, handholes, and cabinets
- Reduce hook up errors and connections left unsecured by third party locators

Damage Prevention and Infrastructure Protection

Telecom is the highest rated industry to have damages due to inaccurate locating

- Reduce exposed wires and cables that can cause electrical shocks and fiber breakage
- Keep the armored cable intact and protected from possible ground faults
- Protect your investment from corrosion and short circuits



This graphic demonstrates the ideal layout of using armored fiber with the Complete Utility Locating System®.

Not to scale. Armored fiber is shown in white, tracer wire in orange.

Comparison Chart

Copper-Clad Steel (CCS) Tracer Wire with Armored Fiber vs. Armored Fiber

	CCS Tracer Wire with Armored Fiber	Armored Fiber
Conductivity	Copperhead's tracer wire offers superior conductivity and low resistance, enabling efficient long-distance signal transmission with minimal power loss—an ideal, cost-effective solution for utilities.	Armored fiber uses aluminum or steel for protection, but both have poor conductivity and high resistance, which can degrade signal quality.
Corrosion	CCS tracer wire offers corrosion resistance, due to its oxygen-free copper layer and bimetallic bonding, preventing galvanic corrosion and ensuring long-term durability and signal integrity.	Armored fiber can oxidize over time, forming an insulating layer that weakens conductivity and signal efficiency.
Connection/ Splice	Copperhead conectors are designed for optimal electrical continuity, corrosion resistance, and are easy to install.	Armored fiber connections are achieved by splicing two cable segments together. Installing a new pedestal, handhole, or vault at the splice location is required. A new length of armored fiber cable must be deployed or spliced at the access point to reestablish network continuity and maintain system integrity.
Access	Access to the tracer wire can be outside of the NID, pedestal, handhole or vault.. Access points can be placed at-grade or above-grade.	Access to the armored fiber must be in the NID, pedestal, handhole or vault.