

CCS Tracer Wire

For Open Trench, Open Cut and HDD Applications

AITE Cable manufactures solid copper-clad steel tracer wire for underground utility locating projects, including gas, water, sewer, telecom, municipal infrastructure, open trench and horizontal directional drilling applications.



| | | |
|--------------------------------|------------------------------|--------------------------------|
| Solid CCS Conductor | 21% IACS Conductivity | HMWPE/HDPE Insulation |
| 30 mil / 45 mil Options | Direct Burial Rated | OEM Color & Marking |

Product Series

| | | |
|---|---|---|
| <p>OPEN TRENCH</p> <p>High-Flex CCS</p> <p>Copper-clad soft steel for easier handling, low recoil and open trench field installation.</p> | <p>OPEN TRENCH</p> <p>High-Strength CCS</p> <p>Copper-clad hard steel for higher break load and demanding open trench projects.</p> | <p>HDD</p> <p>Extra High-Strength CCS</p> <p>High break load CCS tracer wire for HDD, directional boring and trenchless pulling applications.</p> |
|---|---|---|

Contact AITE Cable
 Email: info@at-cable.com Website: www.at-cable.com

Open Trench / Open Cut Tracer Wire

High-Flex and High-Strength CCS tracer wire are designed for open trench, open cut, plow-in, conduit and general underground utility locating applications. High-Flex focuses on easier handling and lower recoil, while High-Strength focuses on higher break load and stronger installation durability.



EASY HANDLING

High-Flex CCS Tracer Wire

Recommended where easy routing, bending, connection and lower recoil are important during open trench installation.

HIGHER BREAK LOAD

High-Strength CCS Tracer Wire

Recommended for higher break load, longer runs and more demanding backfill or plow-in conditions.

Wire Gauge and Break Load Options

| Wire Gauge | High-Flex Break Load | High-Strength Break Load | Coating Thickness |
|------------|----------------------|--------------------------|-------------------|
| 18 AWG | 75 lb | 107 lb | 30 mil / 45 mil |
| 16 AWG | 115 lb | 144 lb | 30 mil / 45 mil |
| 14 AWG | 194 lb | 282 lb | 30 mil / 45 mil |
| 12 AWG | 302 lb | 452 lb | 30 mil / 45 mil |
| 10 AWG | 513 lb | 684 lb | 30 mil / 45 mil |
| 8 AWG | - | 840 lb | 30 mil / 45 mil |

Selection Guide

| Project Condition | Recommended Series |
|--|--|
| Standard open trench where easier handling is important | High-Flex CCS |
| Longer open trench runs or higher break load requirement | High-Strength CCS |
| HDD or trenchless boring with pulling force | Use Extra High-Strength CCS HDD series |

Extra High-Strength CCS Tracer Wire for HDD

Extra High-Strength CCS tracer wire is designed for horizontal directional drilling, directional boring and trenchless utility locating applications where higher pulling force and rugged underground conditions may break standard open trench tracer wire.

HDD Wire Gauge and Break Load

| Wire Gauge | Break Load | Coating Thickness | Recommended Use |
|------------|------------|-------------------|--|
| 12 AWG | 1190 lb | 45 mil | Standard HDD, boring and trenchless utility locating |
| 10 AWG | 2050 lb | 45 mil | Higher pulling force and longer underground runs |
| 8 AWG | 2785 lb | 45 mil | Demanding HDD projects requiring maximum strength |

Basic Characteristics

| | | |
|--|--|--|
| <p>Conductivity</p> <p>21% IACS</p> | <p>Insulation</p> <p>Corrosion-resistant HMWPE/HDPE</p> | <p>Protection</p> <p>Moisture, chemical and oil resistant</p> |
| <p>Durability</p> <p>Impact, crush and abrasion resistant</p> | <p>Voltage</p> <p>600V options</p> | <p>Burial Rating</p> <p>Direct burial rated</p> |

Common Applications

- Gas pipeline locating
- Water and potable water systems
- Sewer and wastewater systems
- Telecom ducts and conduit
- Irrigation and municipal projects
- HDD and trenchless installation

Standards and Compliance Support

| Reference | Description |
|-----------------|--|
| ASTM B910/B910M | Copper-clad steel wire reference standard |
| ASTM B1010 | Copper-clad steel wire physical properties |
| ASTM D1248 | Polyethylene material reference standard |
| RoHS | Restriction of hazardous substances compliance |
| REACH | Chemical substance regulation compliance |
| ISO 9001:2015 | Quality management system |

Packing and OEM Customization



Common spool lengths include 500 ft, 1000 ft and 2500 ft. Custom spool lengths, insulation colors, wire marking, plastic reel packing, wooden drum packing and private-label requirements are available upon request.

- Yellow - Gas/Oil
- Green - Sewer
- Red - Electric
- White - Proposed
- Blue - Water
- Orange - Telecom
- Purple - Reclaimed
- Black - Custom

RFQ Checklist

- Wire gauge and product series: High-Flex, High-Strength or Extra High-Strength
- Installation method: open trench, open cut, plow-in, conduit, HDD or boring
- Insulation thickness and voltage rating required by project specification
- Color, wire marking, spool length and packing method
- Estimated order quantity and target delivery schedule

Request a Quote

Send specifications and quantity to info@at-cable.com | www.at-cable.com