

# CCS Tracer Wire

## Technical Datasheet

### Basic Characteristics

- Solid copper-clad steel (CCS) conductor
- 21% IACS conductivity
- HMWPE/HDPE direct-burial insulation
- Resistant to moisture, common chemicals and oil
- Impact, crush and abrasion resistant
- 30V or 600V, by construction



## Open Trench / Open Cut

High-Flex CCS - Copper-Clad Soft Steel | High-Strength CCS - Copper-Clad Hard Steel

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

## HDD / Horizontal Directional Drilling

| AWG | Series                  | Break Load | Insulation Thickness |
|-----|-------------------------|------------|----------------------|
| 12  | Extra High-Strength CCS | 1,190 lb   | 45 mil               |
| 10  | Extra High-Strength CCS | 2,050 lb   | 45 mil               |
| 8   | Extra High-Strength CCS | 2,785 lb   | 45 mil               |

30 mil = 30V | 45 mil = 600V

- Other wire gauges are available upon request.
- Break load can be customized.
- Other insulation thicknesses are available upon request.

## Utility Colors

| Color  | Common Utility Identification          |
|--------|----------------------------------------|
| Yellow | Gas, oil and related utilities         |
| Blue   | Potable water                          |
| Green  | Sewer and drainage                     |
| Orange | Communications, cable and fiber        |
| Red    | Electric power, conduit and lighting   |
| Purple | Reclaimed water, irrigation and slurry |
| Black  | Custom / project-defined               |
| White  | Proposed excavation                    |

*Final color and marking per project or local requirements. All insulation colors are available.*



## OEM & Packing

|                   |                                                         |
|-------------------|---------------------------------------------------------|
| Surface Marking   | Brand, product or project marking; foot / meter marking |
| Insulation Colors | All colors available                                    |
| Spool Length      | 500 ft, 1,000 ft, 2,500 ft                              |
| Other Lengths     | Available upon request                                  |
| Packing           | Plastic reel                                            |
| Optional Packing  | Wooden drum                                             |
| Private Label     | Label and packaging customization available             |
| Export Packing    | Palletized packing to confirmed requirements            |

## Standards & Compliance

| Reference Standards | Compliance & Quality System |
|---------------------|-----------------------------|
| ASTM B910/B910M     | RoHS Compliant              |
| ASTM B1010/B1010M   | REACH Compliant             |
| ASTM D1248          | ISO 9001:2015               |

## RFQ Information

| Item                   | Please Specify                                    |
|------------------------|---------------------------------------------------|
| Application            | Open Trench / Open Cut / HDD                      |
| Conductor              | CCS or project requirement                        |
| AWG                    | Required wire gauge                               |
| Break Load             | Required value, if specified                      |
| Insulation             | 30 mil / 30V, 45 mil / 600V, or other requirement |
| Color                  | Utility or project color                          |
| Marking                | Brand / project / foot or meter marking           |
| Reel / Drum            | Required length and packing                       |
| Quantity / Destination | Estimated quantity and delivery destination       |

## Contact

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**Send your specification or RFQ for quotation.****Disclaimer:** AITE Cable reserves the right to change the specifications and information contained in this document at any time without prior notice.