

## SUDAS Revision Submittal Form

**Status Date:** As of 5/12/2026      **Topic:** Tracer wire  
**Manual:** Specifications      **Manual Location:** Section 5010, 2.05, B, 1

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### Requested Revision:

#### 2.05 PIPELINE ACCESSORIES

##### B. Tracer System: Comply with Figure 5010.102.

##### 1. Tracer Wire:

##### a. Open Cut:

##### 1) Solid Single Copper Conductor:

- a) **Size:** #12 AWG
- b) **Insulation Material:** Linear low-density polyethylene (LLDPE) or high molecular weight polyethylene (HMWPE) insulation suitable for direct burial applications
- c) **Insulation Thickness:** 0.030 inches, minimum
- d) **Breaking Strength:** 150 pounds, minimum
- e) **Operating Voltage:** Rated for 30 volts

##### 2) Bimetallic Copper Clad Steel Conductor:

- a) **Size:** ~~#14~~ or #12 AWG
- b) **Rating:** Direct burial
- c) **Operating Voltage:** Rated for 30 volts
- d) **Conductivity:** 21%
- e) **Copper Cladding:** 3% of conductor diameter, minimum
- f) **Insulation Material:** High density, high molecular weight polyethylene (HMWPE)
- g) **Insulation Thickness:** 0.030 inches, minimum
- h) **Breaking Strength:** 175 pounds, minimum

##### b. Directional Drilling/Boring:

##### 1) Bimetallic Copper Clad Steel Conductor:

- a) **Size:** #12 AWG
- b) **Rating:** Direct burial
- c) **Operating Voltage:** Rated for 30 volts
- d) **Conductivity:** 21%
- e) **Copper Cladding:** 3% of conductor diameter, minimum
- f) **Insulation Material:** High density, high molecular weight polyethylene (HMWPE)
- g) **Insulation Thickness:** 0.045 inches, minimum
- h) **Breaking Strength:** 1,100 pounds, minimum

**Reason for Revision:** Including another insulation material option for solid single copper conductor.

**Comments:** None.

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**Region:**       Central       East       West      **2/19/2026 Webinar**

**Comments:** None.

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<b>Region:</b>	<input checked="" type="checkbox"/> Central	<input type="checkbox"/> East	<input type="checkbox"/> West
<b>Comments:</b>	Take out the #14 size option in B, 2, a). <i>Note - done.</i>		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved
<b>Region:</b>	<input type="checkbox"/> Central	<input checked="" type="checkbox"/> East	<input type="checkbox"/> West
<b>Comments:</b>	Leave the #14 size option. <i>Note - the other 2 regions wanted to delete.</i>		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved
<b>Region:</b>	<input type="checkbox"/> Central	<input type="checkbox"/> East	<input checked="" type="checkbox"/> West
<b>Comments:</b>	Take out the #14 size option. <i>Note - done.</i>		
<b>Action:</b>	<input type="checkbox"/> Deferred	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Approved

**Final Regional Action Summary:** All 3 regions approved; see comments above.

**Board of Directors Action:** Approved.