SUDAS Revision Submittal Form

Status Date:	As of 4/8/2026	**Topic:**	Tracer wire
Manual:	Specifications	**Manual Location:**	Section 5010, 2.05, B, 1

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.

Region:	☒ Central	☒ East	☒ West	**2/19/2026 Webinar**
Comments:	None.			