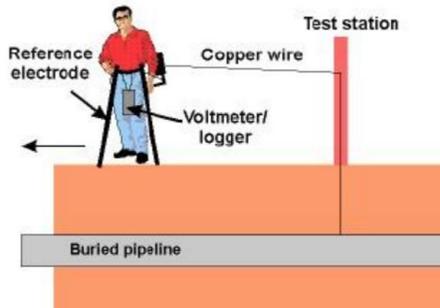


PRODUCT DESCRIPTION

One of the major techniques that is employed for indirect inspection of pipeline integrity is a Close Interval Potential Survey (CIS), which involves performing above-the-ground measurements of pipe-to-soil potential (voltage) along the entire length of the pipeline. Since the distance between test stations can be significant, a **Copper Wire** of a considerable length is used to connect the data-logger to the nearest test station.



Reference: McMiller's CIS Training Manual

TECNOLOGÍA TOTAL's Enamelled Copper Wire Spool is specially designed to facilitate Close Interval Surveys and other cathodic protection inspection requirements. Both ends of the wire have to be sanded with a 600-Grit Sandpaper before the survey to obtain good contact with the CIS equipment.

SPECIFICATIONS

- **Conductor:** Soft copper solid round conductor.
- **Type of insulation** – double layer enamel, with a polyester-amide base and an amide-imide external coating.
- **Thermal class** – 220 °C
- **Manufacturing standard** – NEMA NW 35 C – NEMA MW 75 C
- **Properties**
 - Optimal mechanical resistance
 - Resistance to elevated temperatures
 - Very good chemical resistance to common solvent and coolants
 - High resistance to abrasion
- **Gauge options**



Gauge AWG	Nominal Diameter (uncoated wire)	Electrical Resistance (Ohm/m)	Approx. Length (m/kg)	Spool Weight. (Kg)	Approx. Spool Length (m)
28	0.320	214,400	1,337	1.5	2,005
30	0.254	340,300	2,110	1.5	3,165
32	0.203	532,700	3,279	1.5	4,918

SHIPPING

The standard presentation of the spool is 1.5 kg, but it can be customized according to your needs. Packaging will be in accordance with standard business practices.

WARRANTY AND LIMITATION OF LIABILITY

TECNOLOGIA TOTAL will not be in any case responsible for damages of any nature that could be derived from an inadequate use of the product. Before using the product, the user must determine if the product is suitable for its intended use, taking all risks and liability that could be derived from its use.

If it's proved that a product is faulty due to manufacturing or its material at the time of sale, or that it does not fulfill during its warranty period the indicated properties in this technical sheet, the only responsibility of TECNOLOGIA TOTAL will consist of replacing the buyer with the quantity of product that is found to be defective. TECNOLOGIA TOTAL does not take any responsibility for any additional cost such as manufacturing cost, withdrawal or re-application of the products. If TECNOLOGIA TOTAL offers a warranty to their clients, express or implicit, or a compensation that differs from the established in this section, this stipulation cannot be altered unless a signed agreement by the parties.

