

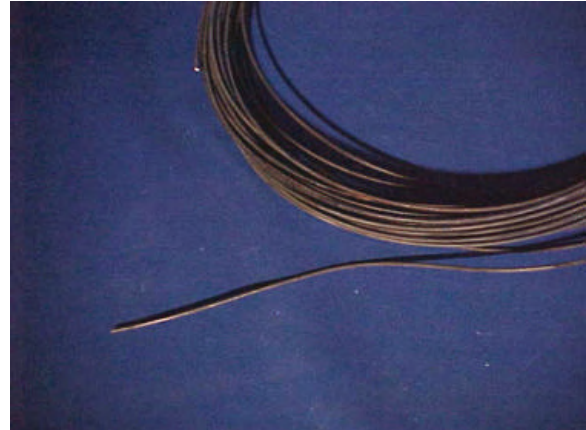
Mixed Metal Oxide

Wire Anodes

Lightweight And Dimensionally Stable

The many benefits obtained by using mixed metal oxide anodes are well known. These include low consumption rates, dimensional stability, and high current densities. Wire mixed metal oxide anodes possess all these characteristics and also offer greater installation flexibility. The anodes are composed of a copper core, which is surrounded by a titanium substrate. Metallurgically bonded to the substrate is a mixed metal oxide coating. The combination of these three materials produces an anode capable of superior operating performance. The titanium is inherently resilient and stable, allowing the wire anode to be extremely flexible. Because this metal does not discharge current, electrical current transfer is accomplished through the mixed metal oxide coating. The coating is immune to abrupt current reversals, and may receive high current overloads for initial polarization without causing harm to the anode.

Corrpro wire anodes can be used in numerous geometries. In water storage tanks, the anode is often suspended by rope in configurations that follow the circumference of the structure. This design permits even current distribution. It also produces a cathodic protection system that is not susceptible to damage from icing. Because the anode is a continuous wire, failures due to poor wire connections are eliminated.



Typical Applications

Corrpro mixed metal oxide anodes can be used in both aqueous and soil electrolytes. They deliver superior protection in fresh, brackish, or saltwater, and have been found to be resistant to acids and chloride ions. The anodes can operate in temperatures of up to 175°C. They should not be used in electrolytes containing barium or cadmium.



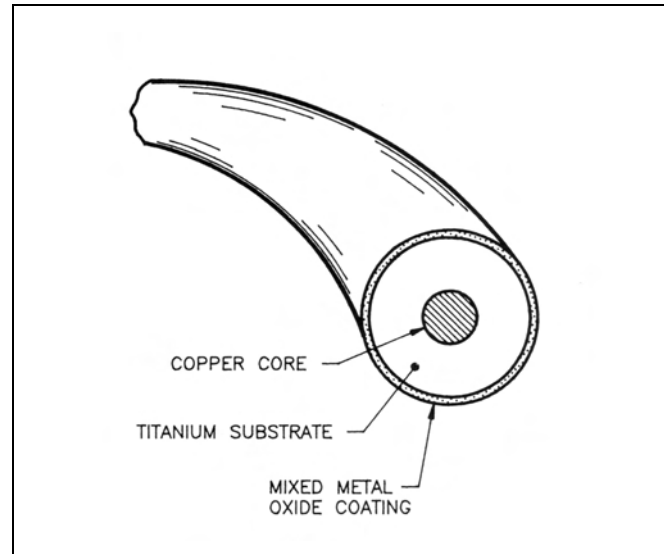
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Mixed Metal Oxide Wire Anodes

Ordering Procedure

The mixed metal oxide wire anode is available in different current output ratings. To order the right wire anode for your particular applications, indicate that you need a mixed metal oxide wire anode, and specify the lineal feet desired and wire type. An example is provided to help illustrate this process.

| Ordering Procedure Example | |
|----------------------------|---|
| ITEM | EXAMPLE |
| Quantity (Lineal Feet) | <i>1,000 ft.</i> |
| Anode Material | <i>Mixed Metal Oxide Wire Anode</i> |
| Anode Type | <i>TRI 2000 Standard</i> |



Standard Dimensions

| ANODE | NOMINAL DIMENSIONS | | | | CURRENT* RATING |
|-----------------|--------------------|--------------|--------------|----------------|--------------------|
| | Ø | | LENGTH | | |
| | in. | (mm) | ft. | (m) | mA/ft. |
| <i>Standard</i> | <i>0.062</i> | <i>(1.6)</i> | <i>1,000</i> | <i>(304.8)</i> | <i>100</i> |
| XL | 0.062 | (1.6) | 1,000 | (304.8) | 280 |

**Based on 20-year design life in calcined petroleum-grade coke.*



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