

## TECHNICAL DATA SHEET: NMT17

### MIXED METAL OXIDE ACTIVATED 4mm DIA Ti/Cu TITANIUM WIRE ANODE FOR CATHODIC PROTECTION DESIGN LIFE 20 OR 30 YEARS

**Product Code:** MMO/Ti/Cu/Wire/4/20/30

**Activation:** Noble Mixed Metal Oxides consisting of IrO<sub>2</sub> and Ta<sub>2</sub>O<sub>5</sub>

**Substrate Material:** Titanium to ASTM Grade 1 or 2 Chemical Composition

**Working Environment:** Evolution of O<sub>2</sub>, Cl<sub>2</sub> or a combination of both

#### Nominal Dimensions of 4mm Dia MMO/Ti/Cu Wire Anode:

**Diameter** 4mm (0.167 inches)

**Standard Coil Length** 100m (328ft)

**Standard Coil Weight** 10.44kgs

Surface Area of 4mm Dia MMO/Ti/Cu Wire Anode: 0.013m<sup>2</sup> per m

Current Output of Wire: 7.8A per m when operating at an anode current density of 600A/m<sup>2</sup>

**Design Life:** 20 or 30 years when operating at an anode current density of 600A/m<sup>2</sup> in saltwater.

**Internal Resistance:** 2.2 mΩ per m

**Coating Loading:** Sufficient in g/m<sup>2</sup> to achieve 20 or 30 year design life at an anode current density of 600A/m<sup>2</sup> in saltwater.