

## TECHNICAL DATA SHEET: NMT.15B

### MIXED METAL OXIDE ACTIVATED 3mm DIA Ti/Cu TITANIUM WIRE ANODE FOR CATHODIC PROTECTION DESIGN LIFE 20 OR 30 YEARS

**Product Code:** MMO/Ti/Cu/Wire/3/20/30/SW

**Activation:** Noble Mixed Metal Oxides consisting of  $\text{IrO}_2$  and  $\text{Ta}_2\text{O}_5$

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

**Working Environment:** Evolution of  $\text{O}_2$ ,  $\text{Cl}_2$  or a combination of both

#### Nominal Dimensions of 3mm Dia MMO/Ti/Cu Wire Anode:

<b>Diameter</b>	3mm (0.125 inches)
<b>Standard Coil Length</b>	100m (328ft)
<b>Standard Coil Weight</b>	5.88kgs
<b>Surface Area</b>	of 3mm Dia MMO/Ti/Cu Wire Anode: 0.01m <sup>2</sup> per m
<b>Current Output of Wire</b>	6A 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 salt water.

**Internal Resistance:** 3.4 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 salt water.