



Betelguard MMO Wire Anode consists of solid titanium wire coated with high-quality mixed metal oxide coating.

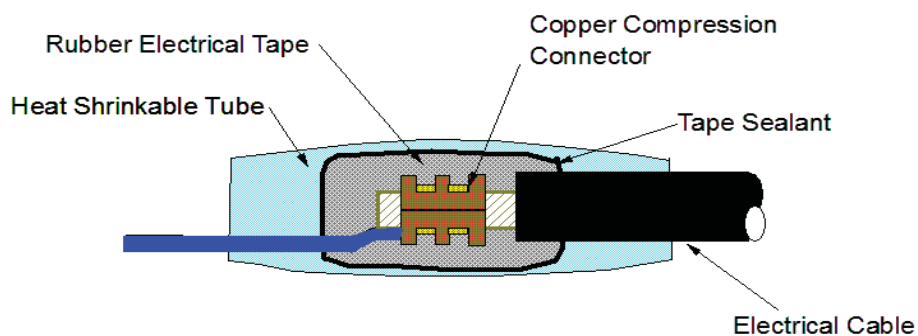
The MMO anodes prefer not only in soil environment but also in chloride electrolyte, such as seawater and brackish water. The MMO coating consumes at the negligible amount (less than 1.0 mg/amp-year). Unlike other types of anodes, the protective anode film is fully oxidized in a controlled environment prior to field installation and energizing anodically.

By adjusting the MMO coating thickness, the anode life can be extended by design specifications. Solid rod anodes are available in a number of diameters and lengths. Lead wires can be attached to one end of the anodes for conventional use, or to both to form anode strings.

Specification

Dimensions:	1.5 mm, 3 mm, 1/16 inches, 1/8 inches
Substrate:	ASTM B-265, Grade 1 Titanium
Coating:	Iridium Oxide based MMO Coating
Standard Anode Life:	20 years

MMO Wire Anode-Cable Connection



Betelguard MMO Wire Anode in Water



Current Outputs for 20 Years

Application	1000 mm long		1 foot long	
	1.5 mm	3 mm	1/16 inches	1/8 inches
Max. Current Output in Seawater	2.8 amp	5.6 amp	0.9 amp	1.80 amp
Max. Current Output in Brackish Water	1.4 amp	2.8 amp	0.46 amp	0.92 amp
Max. Current Output in Fresh Water	0.47 amp	0.94 amp	0.15 amp	0.30 amp

Linear Electrical Resistance

Resistance (ohm per meter)		Resistance (ohm per foot)	
1.5 mm	3.0 mm	1/16 inches	1/8 inches
0.0188	0.0034	0.0057	0.001

Maximum Wire Current Amperage Through Titanium Wire

Temperature	1.5 mm	3.0 mm	1/16 inches	1/8 inches
At 25°C	21 amps	36 amps	22 amps	38 amps
At 70°C	7 amps	7 amps	7 amps	7 amps