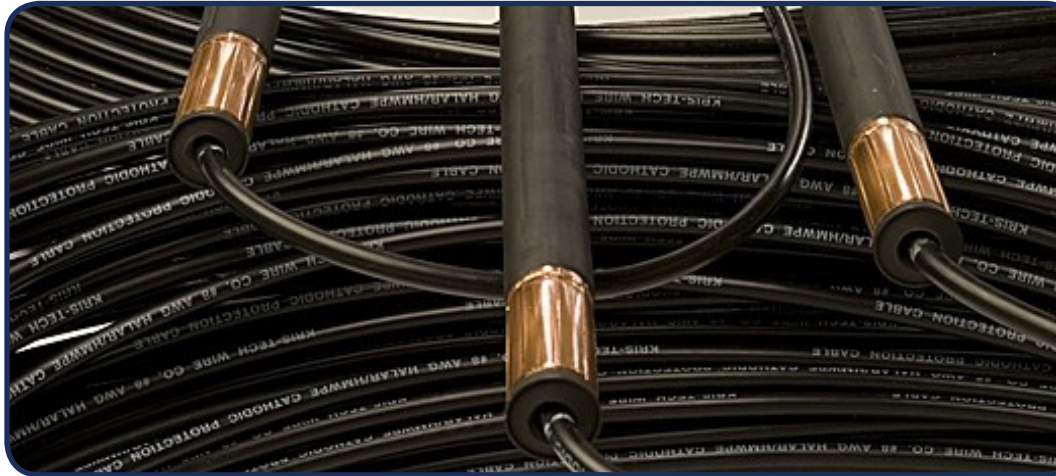
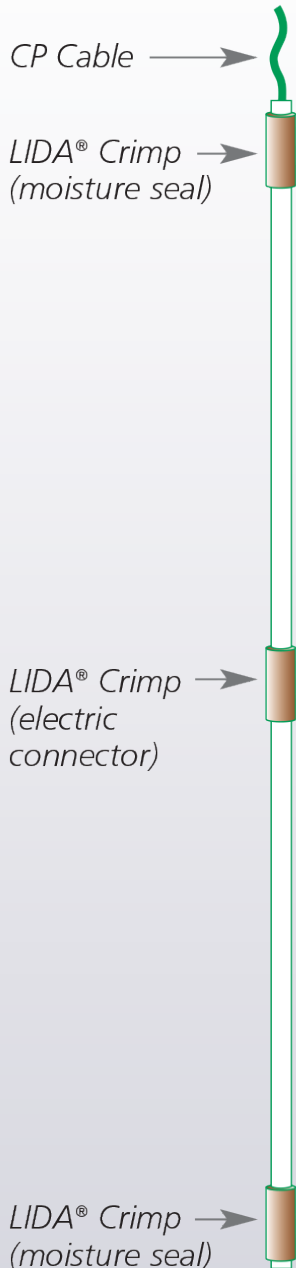




HOUSTON • MIDLAND • DENVER



A versatile option, Mixed Metal Oxide (MMO) anodes work well in soil, freshwater, mud or marine environments. The coating on these anodes produce high chemical stability and are unaffected by chlorination. Due to the low consumption rate of Mixed Metal Oxide (MMO) anodes, these anodes provide a consistently low resistance, making it a cost-effective option for any project.

STANDARD SPECIFICATIONS

- Individually inspected, securely crated
- Designed to be used as a singular anode or on a string
- Lightweight for ease of handling & installation
- Special crimped moisture seal to prevent damage to electrical connection
- Dimensionally stable

MMO ANODES (IN COKE BACKFILL)

MODEL NO.	DIMENSIONS		NOMINAL RATED CURRENT (AMPS IN COKE)		WEIGHT (LB)
	LENGTH (IN)	DIAMETER (IN)	10 YRS	20 YRS	
1x45	45"	1"	4.63	3.17	1.4
1x60	60"	1"	6.18	4.22	1.6
1x90	90"	1"	9.27	6.33	2
2.5x50	19.7"	1"	8.11	5.54	.4
2.5x100	39.4"	1"	16.22	11.08	.77
2.5x100XXL	39.4"	1"	19.28	13.17	.77
3.1x76	30"	1.25"	15.45	10.55	.67
3.1x122	48"	1.25"	24.72	16.88	1.07

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PLEASE CONTACT US WHEN OPERATION IS EXPECTED IN WATERS BELOW 5 °C

Comprised of a copper cored or solid titanium wire and coated with mixed metal oxide, MMO wire anodes are able to perform as anodes due to the electrically conductive crystalline coating used to activate the titanium. There are two standard diameter sizes for the wire anodes, 1.5mm and 3mm.

A cost-effective option, the wire anode's coating has such a slow consumption rate (measured in milligrams). When applied to titanium, the wire remains nearly constant during the life of the anode, which is generally 15 to 20 years.



APPLICATIONS

- Canistered Anodes
- Continuous Horizontal Groundbeds
- Discontinuous Horizontal Groundbeds
- Shallow Vertical Groundbeds
- Deep Anode Groundbeds
- Above Ground Storage Tanks
- Underground Storage Tanks
- Natural Water
- Electrical Cable Shielding
- Water Storage Tanks
- Water Treatment Equipment

BENEFITS

- A 15-20 year anode life reduces need to replace anodes, ultimately reducing project costs.
- Flexible wire allows for malleability in complex configurations and applications.
- MMO coating is suitable for most projects needing cathodic protection, with varying levels of output. Able to maintain a high chemical stability, and unaffected by environmental chlorination or low pH values.
- The copper cored wire has a high conductivity, creating consistent current distribution along the entire wire length.

DIMENSIONS

NOMINAL WIRE SIZE		DIAMETER TOLERANCE		TITANIUM		COPPER		ACTIVE SURFACE AREA		WEIGHT	
(mm)	(inches)	(mm)	(inches)	% By Wt.	% By Vol.	% By Wt.	% By Vol.	ft. of length	m. of length	lbs/ft	g/m
1.5	0.062	+0.15	+0.007	36.1%	52.7%	63.9%	47.3%	0.017	5.1E-03	0.009	13.7
3.0	0.118	+0.28	0.010	17.1%	29.0%	82.9%	71.0%	0.033	1.0E-02	0.042	62.5