

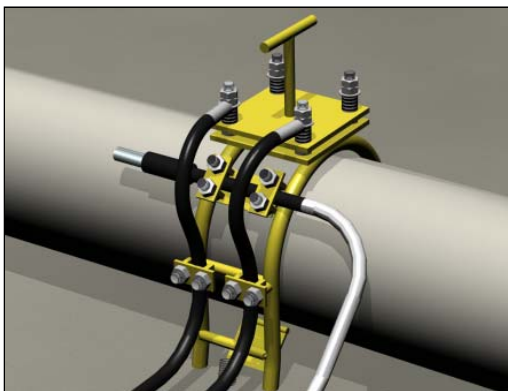
DEEPWATER

V-String™

Polatrak® Cathodic Protection Monitoring



V-String reference electrode in situ on a retrofitted CP monitoring system.



V-String reference electrode in situ on a pipeline, held in place with RetroClamp™



Product Overview

The Polatrak V-String electrode is a low cost zinc reference electrode designed for offshore platform and pipeline monitoring. The ultra-rugged construction and ease of installation make this a viable tool for CP retrofit monitoring, or to supplement other POLATRAK monitoring instruments.

Accuracy is +/- 0.02 V which is perfectly adequate for a general performance monitor.

The electrode wire consists of a galvanized steel aircraft cord with a PVC jacket and an over braid of polyester fibers. This combination makes the electrode virtually indestructible.

Applications

- Offshore platform jackets & drill rigs
- Seawater ballast banks on SPAR, TLP, and FSU / FPSO structures
- Risers
- Inshore structures, piers, jetties, wharves
- Inside J-tubes or in tight spaces where CP has to be monitored.

Main Benefits

- Low cost and ease of installation allow many more reference points to be sampled.
- Low profile and lack of welded attachments allow electrode location in node crotches, inside annular spaces, and on pipelines and risers.
- The lack of a copper cable allows the electrode element to polarize any pinhole or small defects in the conductor, keeping the electrode serviceable.
- It can be literally tied like a rope to subsea members and will not abrade; this makes it perfect for low cost monitoring system retrofits.

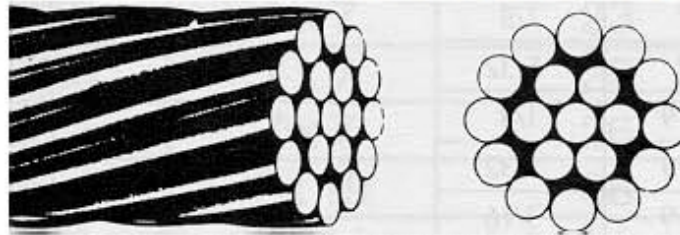
Specifications

V-String™ Conductor

1/8 Inch diameter galvanized wire with nylon coating

MIL SPEC: MIL-DTL-83420

Preformed-Small Cord Cables and Strands-1 x 19 Class



A non-flexible strand of nineteen wires. It is generally used for yacht rigging and other guying purposes.

	GALVANIZED		STAINLESS	
Diameter Inches	LBS. per 1000 Ft.	Breaking Strength (LBS.)	LBS. per 1000 Ft.	Breaking Strength (LBS.)
1/16	8.5	500	8.5	500
3/32	20	1,200	20	1,200
1/8	35	2,100	35	2,100
5/32	55	3,300	55	3,300
3/16	77	4,700	77	4,700
1/4	135	8,200	135	8,200
5/16	210	12,500	210	12,500
3/8	300	18,000	300	18,000

Available coated with P.V.C. or Nylon