

PRODUCT DATA SHEET

ANODEFLEX™ ACM

Product Information

Anodefex ACM is a high performance, low maintenance AC mitigation electrode that effectively dissipates high levels of induced AC current. Consists of:

- Stranded Copper Conductor: Central Copper Conductor serving as the core of the grounding system
- Low-resistivity Fill Material: Loresco™ Power fill (or alternate material depending on client specification)
- System Design: Specific for electrical grounding
- Earth Contact: Positive electrical connection to the earth
- Fabric Jacket: Integrated woven porous jacket holding the packed fill material in place around the electrode
- Protective Braid: Tough, porous, protective braid enhancing the abrasion and damage resistance of the fabric jacket

The manufacturing process ensures a tightly packed fill material for optimum durability and performance. The synthetic jacket and protective braiding make the product ideal for installation through directional drilling.

Key Features & Benefits:

- Larger diameter electrodes consisting of a copper core embedded in Loresco™ Powerfill (or alternate fill material depending on client specification) as a low resistivity grounding backfill
- Fill material contains a corrosion inhibitor that protects the copper conductor for the life of the system
- The large surface area better handles the dissipation of large amounts of induced current, whether from electrical transmission lines or from lightning strikes
- Maintains excellent electrical performance characteristics over extended lifetimes versus zinc ribbon
- pH neutral and chemically stable for low environmental impact
- Designed for fast, efficient continuous installation process
- Offers lower total cost of ownership based on extended life and lower material, maintenance, deployment, operational and replacement costs
- Easy field splicing with standard “crimpits” and fill material
- Flexible ordering information for non-standard lengths

Product properties of Anodefex™ ACM

Diameter	1.5" / 38mm
Wire Sizes (AWG)	2/0, 1/0, #2, #6 (choose when ordering)
Fill Material	Loresco™ Powerfill (or approved alternate)
Casing (sock)	Synthetic fabric
Braiding	Polypropylene

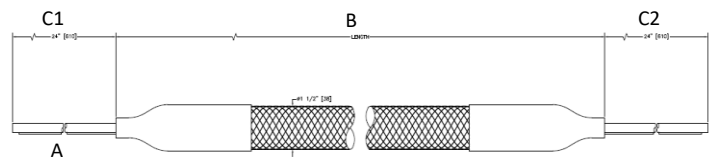
Shipping weights & dimensions – 1000' reel example

Conductor	Net weight (lbs / kg)	Gross weight (lb / kg)
2/0 AWG	1370 / 622	1630 / 739
1/0 AWG	1280 / 580	1540 / 699
#2 AWG	1135 / 515	1395 / 633
#6 AWG	1000 / 454	1260 / 572
Pallet dimensions	44"x 48" x 52" - 64" high depending on reel length	
Handling	Handle with care. Keep reels on edge rails. Do not puncture the cable.	
Storage	Store in clean and dry environment or protect from moisture prior to installation. Unlimited shelf life.	

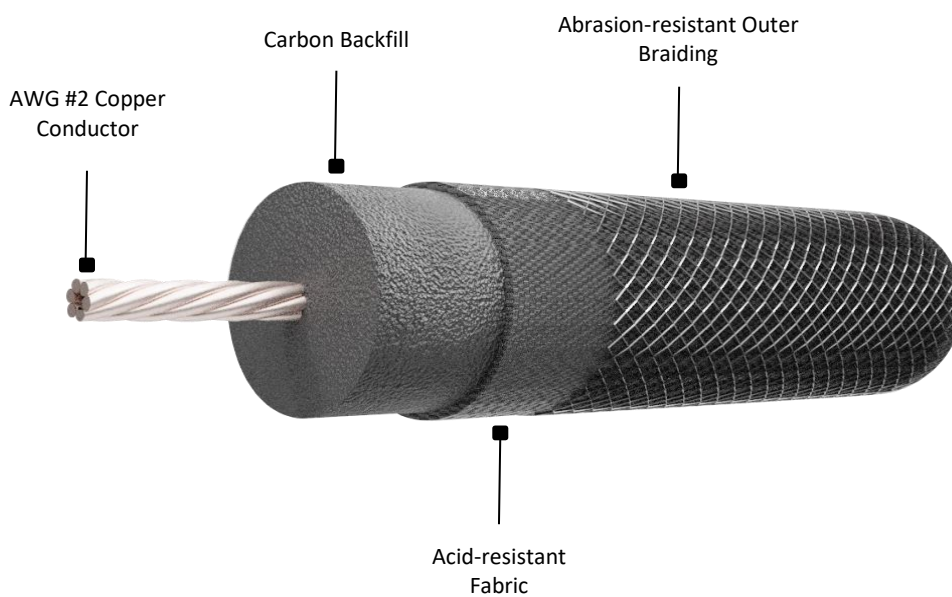
Other Information

Documentation	Extensive information is available on our website. Design considerations and other documentation may be obtained by contacting your local distributor or by sending email to info@sealforlife.com
Ordering Information	Specify wire gauge (A), cable length (B). Standard pigtail length (C) is 24" on each end.

Assembly Schematic



Typical Performance Properties		
Component / Property	Test Method	Typical Value
Copper Conductor		
Dimensions	ASTM B263	AWG #6, #2, 1/0 or 2/0
Resistance	ASTM B193	1.5 x 10 ³ Ohm-cm
Carbon Backfill		
Bulk density	ASTM D3172	74lbs/ft ³
Fixed carbon	ASTM D3172	99.35%
Ash	ASTM D3172	<0.5%
Fabric Jacket		
Weight	Measured	Min. 200 g/m ²
Bursting strength	ISO 3303	575N
Abrasion resistance	ASTM D4157	219 cycles
Fluid resistance	Internal 6 months immersion	Pass
Chlorine resistance	Internal 6 months immersion	Pass



Specification language

Anodefex ACM is a long-line, flexible electrode placed in continuous close proximity to the target structure to provide a low-resistance pathway to ground for alternating current. Anodefex ACM is delivered on long length spools and because no additional carbon backfill is required, the installation is as simple as laying a low voltage power cable. Proven heat-shrinkable splice kits, Tee joints and end sealing caps are available to complete the installation.

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	Stopaq® - Covalence® - Polyken® - Powercrete® - Anodefex™			

DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal For Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries makes no other warranty either express or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.