

## Product features

Anodefex 1500-01 is a long line, flexible, cable-like anode which is placed in continuous close proximity to the target structure. Hence uniform distribution of cathodic protection current is achieved on many applications where conventional anode ground beds do not work.

Key to the product's performance is the central conductive polymer coated copper conductor. This unique construction allows current to flow long distances down the center conductor while allowing a small cathodic protection current to continuously pass through the conductive polymer all along the length of the anode.

The central anode cable is surrounded by a factory prepackaged high conductivity coke breeze, held in place by a porous woven acid resistant jacket. This arrangement avoids handling loose coke breeze and simplifies field installation.

The improved current distribution increases anode efficiency, helps prevent over voltage problems such as hydrogen generation and associated rapid coating disbondment. In addition, interference to foreign structures is minimized.

## Applications

On poorly coated pipelines, where effective polarization can no longer be achieved, Anodefex 1500-01 can often be installed instead of expensive recoating. Both on single and multi-parallel pipelines, safe levels of polarization will be restored at every point. The system avoids difficult field recoating and greatly reduces environmental disturbance.

Also above ground storage tank bottoms and buried tanks can more effectively be protected from corrosion using this continuously distributed, close proximity anode system. The protective current is evenly spread to assure uniform polarization levels.

## Delivery

The long-line anode is delivered on spools. Anodefex is available in lengths sufficient for most applications. Pipes are protected by arranging several lengths of the anode in simple circuit designs.

## Design

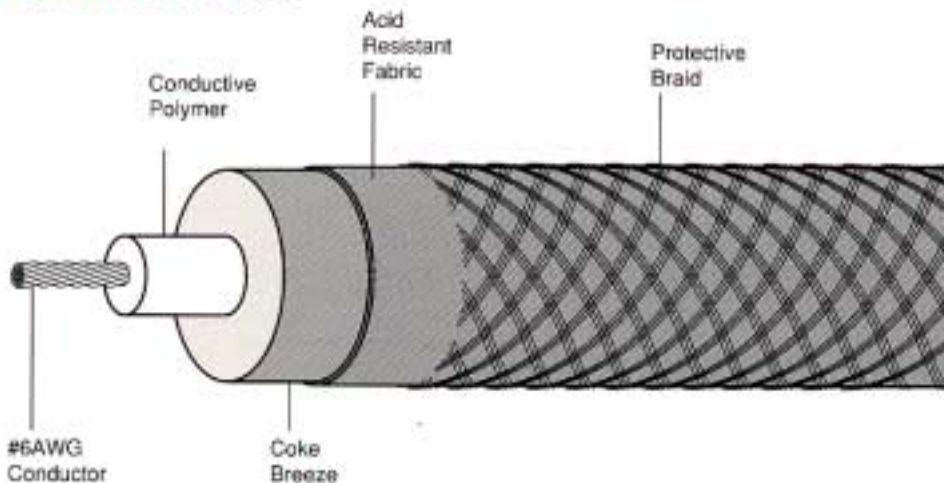
To help design the cathodic protection system, special computer programs are available which calculate the Anodefex circuit lengths, anode to pipe distances, supply voltages and current demands for pipeline and tank applications.

## Installation

The anode is installed as a standard low voltage cable. No additional coke breeze has to be installed around the anode.



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**Raychem Anodefex 1500-01**

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**Product properties**

Recommended Maximum Design Current Output in Soil	16 mA/ft Anode length (52 mA/m)
Minimum Installation and Storage Temperature	0°F (-18°C)
Minimum Bend Radius	20 in (500 mm)

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**Ordering information**

Anodefex Description	Raychem Part number	Nominal diameter	Weight
Anodefex	AFLX-1500-01	1.5 in (38 mm)	0.73 lb/ft (1,1 kg/m)

Components Description	Raychem Part number	Unit
Anodefex Tee Splice Kit	AFLX-1500-01-TEE	each
Anodefex In-line Splice Kit	AFLX-1500-01-SPLICE	each
Anodefex End Seal Kit	AFLX-1500-01-CAP	each

**Notes:**

- Similar component versions also exist including a screw connector and cleaning tissue. Add -C to the part number.
- For more information on the properties and test methods, consult Raychem Technical Specification RUD 8077 or contact your local sales engineer.

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Like any cathodic protection system, the Raychem Anodefex system must be optimized for particular design conditions. Severe environments may limit the lifetime. Anodefex is a flexible carbon cable anode system. When all the active anode material available around the polymeric cable is consumed, the anode will no longer function. Raychem warrants that Anodefex meets the internal Raychem specification, but the purchaser must rely on its own engineering experience judgment and skill to ascertain whether or not Anodefex is fit for the particular purpose proposed by the purchaser.

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