

Electrical Thruster

Hall Effect engine

THERMOCOAX magnetic coils accelerate the ions (i.e. Xenon) and drive the engine's thrust.

THERMOCOAX offers the cable or the complete assembly coil ready to be used.

This technology is space qualified and has proven its efficiency and excellent behavior during the space missions.

The Mineral Insulated Cable is the solution for a good behavior in vacuum and high temperature exposition.



**INCREASE RATIO
PERFORMANCE / COST**



Experience on 92 and 200 mN thrust

- ▶ Inner magnetic coil
- ▶ 4 outer magnetic coils
- ▶ 600°C max
- ▶ Cable Ø 1.9 mm
- ▶ Copper conductor: Ø 1.31mm
- ▶ Partial Discharge Tests : 500 VAC, 1 min, 1 MHz
- ▶ Maxi voltage : 350 V
- ▶ Discharge current : up to 5 Amp
- ▶ Dielectric and insulation resistance under 500 V
- ▶ TML < 1%
- ▶ CVCM < 0.1%
- ▶ ESA Certified

