

# HTS Wire Insulation

**Thin Kapton® polyimide film spiral wrapped adhesive insulation for superb durability and tailored voltage withstand for superconductor (HTS) wire applications where high current density is critical**

## Superb Coverage with Multi-layer Option to Tailor Voltage Withstand

- Global, reliable coverage
- Adhesive system ensures reliability in demanding applications
- Readily insulates over splices and joints and easy to remove
- Easily field-applied and replaced over joints and termination zones
- Proven in cryogenic environments
- Excellent cut through resistance



Double layer insulated HTS wire



Single layer insulated HTS wire

### Specifications:

Material:	Silicone adhesive-backed Kapton Polyimide film
Tape thickness	13µm
Layer build per side with adhesive	30 - 45 µm
Layer build options	Standard from single layer up to three layers total coverage

### Customer Options (wire to ground):

	Rated voltage	Thickness build per side
Single layer total coverage with overlap	1 kV DC	65µm (+/- 20%)
Double layer total coverage with overlap	5 kV DC	110µm (+/- 20%)
Triple layer total coverage with overlap	8 kV DC	135µm (+/- 20%)

*Partial coverage and high voltage (>10 kV) insulation options available upon request*

Certificate of Conformance provided ensuring compliance with performance specifications. Certificate of Analysis optionally available. Contact Sales.



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