

# Transformers

In **transformers**, magnet wire forms the primary and secondary windings. These windings enable the transfer of electrical energy between circuits through electromagnetic induction, allowing voltage to be stepped up or down.

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Key requirements for transformers wires:

- Halogen free Flame-retardant UL-94 in some cases
- Electrical Insulation
- High T Resistance (up to 200°C)
- Transformer oil resistance (rods)
- Media leakage free
- Thermal shock resistance