

Copper Coil Wire Construction Review Notes

Planning notes for conductor discussions. These notes do not establish a supplied size range, temperature rating or production tolerance.

Round wire

Use bare copper dimensions for conductor area calculations and the finished insulated diameter for winding fit. Lead preparation and insulation condition also matter.

Flat wire

Define width and thickness, the conductor section and bend requirements. A change in conductor geometry can affect winding layout and assembly clearance.

Litz wire

Review the operating frequency, current and construction. Individually insulated strands distinguish Litz from ordinary stranded copper cable; the finished bundle and its termination also occupy space.

Complete winding

Compare resistance, electrical behavior, insulation, support and thermal conditions for the finished part. A conductor material or a wire insulation class alone does not define an operating limit for the whole coil.