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Sperferric Arc Dipoles for the ION Ring and Booster of OF Jleic¹ JEFFREY BREITSCHOPF, TIM ELLIOT, RAY GARRISON, JAMES GERITY, JOSHUA KELLAMS, PETER MCINTYRE, A. SATTAROV, Texas AM University, DANIEL CHAVEZ, Univesidad de Guanajuato — The jefferson laboratory electron ion collider (jleic) project requires 3 tesla superferric dipoles for the half-cells in the arcs of its Ion ring and booster. A superferric design using nbti conductor in a cable-in-conduit package is being developed. A mockup winding has been completed, with the objectives to develop and evaluate the coil structure, manufacture winding tooling and evaluate winding methods, as well as, measure errors in the position of each cable placement in the dipole body. This paper covers the results of the mockup winding.

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