Additional Kapton Insulation on DCA310 Lead End Insulators

TS-SSC 91-124
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On the second installation of the non-lead end clamp of DCA310, a single additional layer of 5 mil kapton insulator was added to the interior surfaces of the G10CR quadrant insulators[1]. Even with this additional 5 mils, the clamping load indicated by end can deflection was marginal. The lead end insulators for DCA310 have very similar dimensions to the non-lead end insulators.

The DCA310 lead end clamp will be installed with two 5 mil layers of kapton taped to the inner surfaces of each of the four G10CR insulators. This should bring about similar end can deflections to DSA324, and the pump psi required for installation will help us set a new lower limit for this quantity.

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