

Dielectric Loss Considerations Summary

Dielectric loss associated with Kerite underground cable has been grossly misrepresented by our competitors by using the discontinued HTK insulation for their calculations. Kerite discontinued their HTK insulation in the early 1960's and now uses HVK insulation. Kerite's HVK insulation actual losses are in line with other EPR cables.

Kerite's HVK insulation is the only insulation to meet the "Discharge Resistant" classification, meaning it is capable of withstanding electrical discharge and will not break down under electrical stress.

Below is a quick summary of the chart provided by our competition with the correct HVK insulation numbers listed as EPR-K.

PRESENT VALUE of DIELECTRIC LOSS
(\$ per 1000 ft. over 40 years)

Conductor Temperature	(R.T.) 23°C	60°C	90°C
EPR-P	\$87	\$95	\$119
EPR-C	\$162	\$215	\$354
EPR-O	\$244	\$280	\$377
EPR-K	\$114	\$257	\$507
TRXLP	\$11	\$35	\$40
Based on 1/0 awg 25kv, .260" insul. 4% inflation, 6% interest, \$0.05/whr.			

The chart above shows that Kerite's losses are in line with all other EPR cables while having superior characteristics and construction.

Please see "Dielectric Loss Considerations" white paper for a full explanation.