

시공유형에 따른 가공송전선 접속개소의 열적 특성 분석 연구

안상현, 김병걸, 김상수, 손홍관, 박인표, 김성규*
한국전기연구원, 부경대학교*

The Study on Thermal Properties of Sleeve with Various Defects

Sang-Hyun Ahn, Byung-Geol Kim, Sang-Shu Kim, Hong-Kwan Shon, In-Pyo Park and Sung-Kyu Kim*
KERI, PKNU*

Abstract : According to previous report, aged sleeves for old transmission lines have various defect such as biased installation or corrosion of steel sleeve. These defects occupied almost 50 percent of investigated aged sleeves. The defects have been limited power capacity of transmission line. And it can cause serious problems such as rapid increasing of sag or falling out of overhead conductor from sleeve. This paper study on thermal behavior of sleeve with various defect model. The detailed results were presented in the text.

Key Words : Sleeve, Thermal Properties, Biased Installation, Corrosion of Steel Sleeve