

CREEP CONSTANT FOR OVERHEAD LINE CONDUCTORS

The creep constant, K, for a conductor is determined using Graph 1 (Creep vs Steel to Conductor Area) in Annex B of Eskom Specification DISASABH1 Rev 2. The ratio of Steel to Conductor Area, m, is first calculated as a percentage and the corresponding approximate creep is either read off the graph or calculated from the approximate Creep equation derived from a trend-line fitted to this graph.

Eskom Reference Specification for Conductor Creep: DISASABH1 Rev 2, Annex B, page 17 & 18
A trend-line approximation is fitted to Graph 1 in Annex B of DISASABH1 (re-constructed in MS-Excel) to arrive at an equation for Creep as indicated on the graph below.

