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SOUTH AFRICAN NATIONAL STANDARD

Electric cables — Calculation of the current rating

Part 2-1: Thermal resistance — Calculation of thermal resistance

This national standard is the identical implementation of IEC 60287-2-1:2006 and is adopted with the permission of the International Electrotechnical Commission.

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Table of changes

Change No.	Date	Scope
IEC amdt 1	2001	Amended to change two single core and three single core cables flat formations, to replace T1 "110 kV" with "150 kV", and to insert entry for PPL in table 1.
IEC amdt 2	2006	Amended to add symbols and new requirements for three core screened cables with circular conductor, to change requirements for three core belted cable with circular conductors, and to insert values in table 4 for constants depending on installation.

National foreword

This South African standard was approved by National Committee SABS TC 66, *Electric cables*, in accordance with procedures of the SABS Standards Division, in compliance with annex 3 of the WTO/TBT agreement.

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**Electric cables – Calculation of the current rating –
Part 2-1: Thermal resistance – Calculation of thermal resistance**

**Câbles électriques – Calcul du courant admissible –
Partie 2-1: Résistance thermique – Calcul de la résistance thermique**

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