

TYPE TEST CERTIFICATE OF COMPLETE TYPE TEST

OBJECT High-voltage cable system consisting of a 110 kV single-core power cable, two types of composite outdoor terminations, two GIS-terminations and one straight-through joint

TYPE cable: A2XS(FL)2Y 1 x 800 (g) / 185-110 kV
composite outdoor termination 1: MKB 126
composite outdoor termination 2: ESS145-C45
GIS terminations: Connex gr. 5-S
Straight-through joint: MCB 126

Rated voltage, $U_o / U (U_m)$	64 / 110 (123) kV	Conductor material	AL
Conductor cross-section	1 x 800 mm ²	Insulation material	XLPE

MANUFACTURERS See page 4

CLIENT Elsy Trading Limited,
Balzers, Liechtenstein

TESTED BY KEMA HIGH-VOLTAGE LABORATORY
Arnhem, the Netherlands

DATE OF TESTS 6 October to 1 December 2011

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

IEC 60840 (2004)

This Type Test Certificate has been issued by KEMA following exclusively the STL Guides.


The results are shown in the record of Proving Tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on pages 4 to 12.

The Certificate applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the Manufacturer.

This Certificate consists of 56 pages in total.

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KEMA Nederland B.V.



S.A.M. Verhoeven
Director Testing, Inspections
And Certification The Netherlands

Arnhem, 15 May 2012