

TYPE TEST REPORT

Test object: Aluminium Conductor Steel Reinforced
Designation: LA 545 CARDINAL
Manufacturer: SA-RA Energy, Construction, Trade & Industry Co. Inc. (SA-RA)
Ümit Mah. 2479 Cad. No:2 Nokta Ankara 06810 Çankaya / ANKARA
TURKEY
Tested for: SA-RA Energy, Construction, Trade & Industry Co. Inc. (SA-RA)
Date of tests: 19th June 2023 – 23rd June 2023
Project ID: NAL-33/2023
Order/Contract: 0286a/2023 05th May 2023
Test specification: EN 50182:2001 Conductors for overhead lines - Round wire concentric lay
stranded conductors
EN 50183:2000 Conductors for overhead lines – Aluminium-magnesium-
silicon alloy wires
EN 50189:2000 Conductors for overhead lines – Zinc coated steel wires
Tests performed: The test object, constructed in accordance with the description, drawings and
photographs incorporated in this report has been subjected to the following tests:
-Verification of construction and DC resistance measurement
-Stress-strain test and Tensile break test
-Stringing test and Individual wire testing
-Mass of zinc coating
-Welding of aluminium wires


Test results: The test object fulfilled the relevant requirements of the standard.


This document has been issued by VEIKI-VNL Electric Large Laboratories Ltd. Testing Laboratory in accordance with above mentioned test specification.


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

This document comprises 35 pages in total (34 numbered pages, 1 datasheet).




László Nederman
responsible for the test


Gergely Gál
supervised by


Balázs Varga
head of laboratory

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