



TEST REPORT

REPORT NO. (550 /2020)

- **CLIENT:** EGYPTIAN COMPANY FOR ADVANCED INDUSTRIES (ELSEWEDY SEDCO) - SUBSIDIARY OF ELSEWEDY ELECTRIC
- **Report Date:** 14 /03 /2021.
- **Place:**
 - LABORATORIES OF EXTRA HIGH VOLTAGE RESEARCH CENTER.
 - Internal code : TO - AC - 20- 09 - 22 - 03
- **Requirements:**
 - Type test on outdoor, indoor premolded termination and joint for power cable 18/30 kV, 3x400mm² according to IEC 60502-4.
- **Standard Specification:**
 - **IEC 60502-4:** "Power cables with extruded insulation and their accessories for rated voltages from 1.0 kV ($U_m = 1.2$ kV) up to 30 kV ($U_m = 36$ kV)". Part 4: Test requirements on accessories for cables with rated voltages from 6 kV ($U_m = 7.2$ kV) up to 30 kV ($U_m = 36$ kV).
 - **IEC 61442:** "Test method for accessories for power cables with rated voltages from 6 kV ($U_m = 7.2$ kV) up to 30 kV ($U_m = 36$ kV)".
- **Description of the Specimens:**
 - The specimens consist of two samples "first sample consists of two premolded indoor termination and premolded joint, second sample consists of two premolded outdoor termination and joint". Each sample installed on a separate cable. The specification of the samples as follows:
 - 1- 36 kV three core premolded outdoor termination with the following specifications:**
 - Manufacturer : EL SEWEDY SEDCO / ELASTIMOLD EGYPT Subsidiary of ELSEWEDY ELECTRIC.
 - Type : MTGO 36kV.
 - Material : EPDM Rubber.
 - Leakage path : 1050 mm.
 - Flash over path : 445 mm.
 - Diameter of sheds : 100 mm.
 - Number of sheds : 10.
 - Terminations Lugs: Compression Lugs.
 - 2- 36 kV three core premolded indoor termination with the following specifications:**
 - Manufacturer : ELSEWEDY SEDCO/ELASTIMOLD EGYPT Subsidiary of ELSEWEDY ELECTRIC.
 - Type : MTGI 36kV.
 - Material : EPDM Rubber.

