



Sin El Fil, the 25<sup>th</sup> of February 2021

Ref: MY/MB/2021/041RT

Ref: AR/MB/2020/035PIL

Project: Electrical Cables Tests Witnessing – Sarafand Hospital

**To the Attention of Mr. Samer Hammoud,**

**Subject:** Technical Witnessing Report for the tests of the Electrical Cables

Dear Mr. Hammoud,

Within the scope of our technical witnessing for the tests of the electrical cables, please find hereafter our report related to the project mentioned in reference.

We remain at your service for any information you may require.

Yours sincerely,



Capital 200.000.000 L. L (Entirely Paid) – Register Beirut No. 1006604  
Sin El Fil – Fouad Chehab Street - Saint-Georges Center- 5<sup>th</sup> Floor - Tel/Fax 00 961 1 494402 – 496657  
Tripoli - Mohamad Nael El Dine Street –Ahmad Center - Ground Floor



**TECHNICAL WITNESSING REPORT FOR THE TESTS OF THE  
ELECTRICAL CABLES**

**Project:** Electrical Cables Tests Witnessing – Sarafand Hospital

**Author of the Report:** Engineer A. Harb

**Number of Pages:** 4



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**REFERENCES:**

- IEC 60502-1
- IEC 60228

**CABLES CHARACTERISTICS :**

**Cables Type:** Low Voltage Cables

**Rated Voltage:** 0.6 / 1.0 KV

**Cables Size:**

NYA/EARTH 150 240 mm<sup>2</sup>

NYM 2X4, NYM 4X4, NYM 2X6, NYM 4X6, NYM 4X10, NYM 4X16, NYM 4X25 mm<sup>2</sup>

NYY 4X120 4X150 4X185 mm<sup>2</sup>

NYY/FIRE RATED 4X150 mm<sup>2</sup>

NYY 3X185 mm<sup>2</sup>

**Standard:** IEC 60502-1 & IEC 60228

**Manufacturer:** Mediterranean Cable Co

**TESTS COMPLETED FOR THE CABLES ABOVE:**

**1- PHYSICAL TESTS:**

- Conductor construction

**Qualiconsult Moyen Orient Opinion:** No Comment

- Insulation thickness

**Qualiconsult Moyen Orient Opinion:** No Comment

- Outer sheath thickness



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**Qualiconsult Moyen Orient Opinion:** No Comment

- Cable dimensions

**Qualiconsult Moyen Orient Opinion:** No Comment

**2- ELECTRICAL TESTS:**

- AC withstand voltage test

**Qualiconsult Moyen Orient Opinion:** No Comment

- DC resistance of the conductor

**Qualiconsult Moyen Orient Opinion:** No Comment

- Insulation resistance

**Qualiconsult Moyen Orient Opinion:** No Comment

**3- MECHANICAL TESTS:**

- Tensile strength of the PVC (phases and outer sheath)

**Qualiconsult Moyen Orient Opinion:** No Comment

- Elongation test of the PVC (phases and outer sheath)

**Qualiconsult Moyen Orient Opinion:** No Comment

Sincerely yours,



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