

TEST CERTIFICATE

Certificate No. : MCL/2481601G/B
Customer Name : شركة طيبة للتوريدات و الهندسة
Required Test : Electrical Conductivity for cable
Sample Description : ITALCOND shielded 2x1.5mm fire alarm cable of 100 cm long
Received Date : 05/09/2016
Date of Test : 18/19/2016
Cable Data : Printed Data on the cable : ITALCOND FIRE ALARM 105 deg SHIELDED 2x1.5mm 300/500V MADE IN ITALY 13136IT/52/15
Certificate Issue Date : 18/09/2016

Test Procedure :

The sample specified above had been tested at a temperature of 750 °C (approximately) for a period of 15 minute this is done by exposing to a flame on a part of 50 cm length of the sample. It is noted that the cable shielding materials around the copper wire are melted during the first 10 minutes from the test beginning. No flame propagation took place through the remaining parts of the cable, The circuit integrity is observed during the whole test period.

Items	Description
Cable Fixation	A sample of cable of 100 cm length is been hanged horizontally by means of suitable support .
Source of heat	Cable were exposed to a flame (a combination of the pressure of compressed air and propane) to a temperature above 750°C
Temperature range	Cable subjected to temperature approximately 750 °C
Brief Description	<ul style="list-style-type: none"> Common test methods for cables under fire conditions and a temperature of 750°C

Test Results :

- The cable passed the electrical conductivity test according to the client requirements.

N.B.

- These results are only applicable for the sample supplied to the lab.

Tested by

Mr .Osama Shabaan

Lab Technician

Reviewed by

Eng. Sally Hammam

Technical Manager

Approved by

Prof. T. W. Abou Arab
 MCL Director

Main Branch (Giza):

Cairo University – Faculty of Engineering
 Tel.: + (202) 35739855- 35678496 -35678546
 Fax: + (202) 35702687
 e-mail: pcg_mcl@yahoo.com

Shaikh Zayed Branch:

Cairo University - Faculty of Engineering
 Shaikh Zayed Branch - Zone (1)
 Tel/Fax: +(202)38 507064- Cell:01006044677
 e-mail:pcg_mcl_zayed@yahoo.com



ISO:9001
 Certified QMS



جامعة القاهرة

المقر الرئيسي (الجيزة)
 كلية الهندسة - جامعة القاهرة . امام مسجد الكلية
 ت : + (202) 35739855 - 35678496 - 35678546
 فاكس : + (202) 35702687
 بريد إلكتروني : pcg_mcl@yahoo.com
 فرع الشيخ زايد
 كلية الهندسة - جامعة القاهرة
 الشيخ زايد - الحي الأول
 تليفاكس : + (202) 38507064 - محمول : 01006044677
 بريد إلكتروني : pcg_mcl_zayed@yahoo.com

TEST CERTIFICATE

Certificate No. : MCL/2481601G/A
Customer Name : شركة طبية للتوريدات و الهندسة
Required Test : Fire alarm at 105 °C for cable
Sample Description : ITALCOND shielded 2x1.5mm fire alarm cable of 100 cm long
Received Date : 05/09/2016
Date of Test : 18/19/2016
Cable Data : Printed Data on the cable : ITALCOND FIRE ALARM 105 deg SHIELDED 2x1.5mm 300/500V MADE IN ITALY 13136IT/52/15
Certificate Issue Date : 18/09/2016

Test Procedure :

The sample specified above had been tested at a temperature of 105 °C (approximately) for a period of 10 minute this is done by exposing to a flame on a part of 50 cm length of the sample. It is noted that. No flame propagation took place through the remaining parts of the cable, The circuit integrity is observed during the whole test period.

Items	Description
Cable Fixation	A sample of cable of 100 cm length is been hanged horizontally by means of suitable support .
Source of heat	Cable were exposed to a flame (a combination of the pressure of compressed air and propane) to a temperature above 105°C
Temperature range	Cable subjected to temperature approximately 105 °C
Brief Description	<ul style="list-style-type: none"> Common test methods for cables under fire conditions and a temperature of 105°C

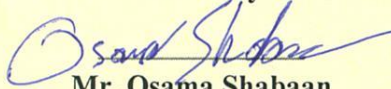
Test Results :

- The cable withstands a temperature around 105 °C.
- The cable passed Fire alarm at 105 °C test according to the client requirements..

N.B.

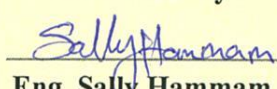
- These results are only applicable for the sample supplied to the lab.

Tested by



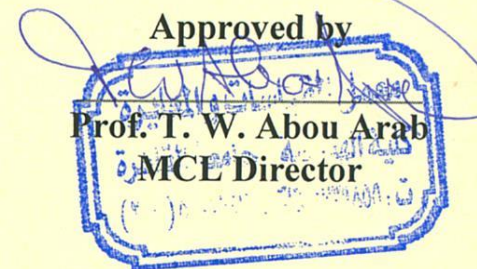
Mr .Osama Shabaan
Lab Technician

Reviewed by



Eng. Sally Hammam
Technical Manager

Approved by



Prof. T. W. Abou Arab
MCL Director

Main Branch (Giza):

Cairo University - Faculty of Engineering
 Tel.: + (202) 35739855- 35678496 -35678546
 Fax: + (202) 35702687
 e-mail: pcg_mcl@yahoo.com

Shaikh Zayed Branch:

Cairo University - Faculty of Engineering
 Shaikh Zayed Branch - Zone (1)
 Tel/Fax: +(202)38 507064- Cell:01006044677
 e-mail:pcg_mcl_zayed@yahoo.com



ISO:9001
Certified QMS



جامعة القاهرة
كلية الهندسة

المقر الرئيسي (الجيزة)
 كلية الهندسة - جامعة القاهرة . امام مسجد الكلية
 ت : + (202) 35739855 - 35678496 - 35678546
 فاكس : + (202) 35702687
 بريد إلكتروني : pcg_mcl@yahoo.com
 فرع الشيخ زايد
 كلية الهندسة - جامعة القاهرة
 الشيخ زايد - الحى الأول
 تليفاكس : + (202) 38507064 - 38507064 - 38507064
 بريد إلكتروني : pcg_mcl_zayed@yahoo.com