



中国认可  
国际互认  
检测  
TESTING  
CNAS L6069



**Report No.** TC.20.05.002069

**Date of Issue** 07/07/2020

**Applicant:** Caledonian Cables Limited  
**Applicant address:** 1/F.,CMA Building,64-66 Connaught Road Central ,Hong Kong  
**Description of the test subject:**

Sample	Description	Photo
001	Name: Fire Resistant Electric Cables Style No. : FFX100 07mZ-R 1*70mm <sup>2</sup>	

**Receipt Date of Sample:** 05/26/2020  
**Date of Testing:** From 05/26/2020 to 07/07/2020  
**Sample submitted:** The sample(s) was (were) submitted by applicant and identified.  
**Conclusion:**

Test Items			Result
No.	Items	Standard	
1	Fire Resistance Test	BS 6387:2013	Pass

Note: (1) General Terms & Conditions as mentioned overleaf,(2)The results relate only to the items tested,(3)The test report shall not be reproduced except in full without the written approval of the company. (4) Samples are tested as received.



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Test Results

**1. BS 6387:2013 Test method for resistance to fire of cables required to maintain circuit integrity under fire conditions**

No.	Test Item	Requirement	Evaluation
1	Resistance to fire of cables		
1.1	Protocol C for resistance to fire alone--950°C±40°C (test for 3h, apply rated voltage 750V)		
	Whether the fuses rupture during the period of the test	None of the fuses ruptures during the period of the test	Pass
	Whether the lamp is extinguished during the period of the test	None of the lamp is extinguished during the period of the test	Pass
1.2	Protocol W for resistance to fire with water--650°C±40°C (the flame applied for 15min and turn on the water spray, continue the water spray for a further 15min and also continue the flame at the same time. apply rated voltage 750V)		
	Whether the fuses rupture during the period of the test	None of the fuses ruptures during the period of the test	Pass
	Whether the lamp is extinguished during the period of the test	None of the lamp is extinguished during the period of the test	Pass
1.3	Protocol Z for resistance to fire with mechanical shock--950°C±40°C (the flame applied for 15min, mechanical shock 30s intervals continue the flame at the same time. the cable was mounted on the board using copper P clips, the space between clips was 200mm. the cable was bent to form two approximately equal horizontal lengths with a double bend in the middle and described a Z shape. Bending radius was about 87mm, apply rated voltage 750V)		
	Whether the fuses rupture during the period of the test	None of the fuses ruptures during the period of the test	Pass
	Whether the lamp is extinguished during the period of the test	None of the lamp is extinguished during the period of the test	Pass

**Note: The test is not applicable to cables having one insulated conductor but no other metallic element. Therefore, a metal braided tube was added to the cable surface during the test..**

**Statement:** The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity hazard of the product in use. Test results are just for internal reference.

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Changzhou Jinbiao Railway Transportation Technical Service Co., Ltd.

Drafted by:

Lynn liu



Approved by:

Shen hui

-End of Report-

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