



中国认可  
国际互认  
检测  
TESTING  
CNAS L6069



## Test Report

**Report No.** TC.21.11.004916-R<sub>1</sub>

**Date of Issue** 04/21/2022

**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	<p>Sample Description: CALEDONIAN INSTRUMENTATION CABLE 2x2x1.5mmsq TCU/MGT/XLPE/ALIS+ALTO/SWA/LSZH</p> <p>Style No.: RE-2X(St)HSWAH PiMF...CI 2P1.5</p> <p>Manufacturer: Caledonian (Shandong) Cables Limited</p> <p>Address: Northeast Plant, Inside of Dianliu Industrial Park, Shizi Park, DongJia Town, Licheng District, Jinan City, Shandong Province, China</p>	

**Receipt Date of Sample:** 11/01/2021

**Date of Testing:** From 11/12/2021 to 11/12/2021

**Sample submitted:** The sample(s) was (were) submitted by applicant and identified.

### Conclusion:

Test Items			Conclusion
No.	Items	Standard	
1	Fire Resistance Test	BS 8491:2008(R2015)	Pass

**Remark:** This Report is to Supersede Test Report No. TC.21.11.004916 Issued on 11/15/2021.

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### Test Results

#### 1. BS 8491:2008(R2015) Method for assessment of fire integrity of large diameter power cables for use as components for smoke and heat control systems and certain other active fire safety systems

##### 1.1 Sample details

Specimen length	1.5m
Specimen Diameter	22.7mm
Number of cores	4
Test Voltage	500V
Temperature attack	830 <sub>0</sub> <sup>+40</sup> °C
Test duration	120min
Application of impact	At 10min intervals
Water drenching phase	Five minutes before the end of the test apply a burst of water of 5 s duration, sixty seconds intervals.

##### 1.2 Mounting

Fixings type	U-bolts, P-clips
Mounting	Use the U-bolts to attach the test sample to the upper horizontal elements of the test ladder and use the P-clips to attach the test specimen to the central vertical elements of the test ladder.

Remark: all clips and bolts shall be earthed.

##### 1.3 Test Result

Sample	1 <sup>st</sup>
Phenomenon	
Fuses ruptures, lamps is extinguished (Yes/No)	No

**Requirement:** If, when the cable sample is tested, none of the fuses ruptures and none of the lamps is extinguished during the period of the test the cable shall be deemed to have passed the test.

**Conclusion: Pass**

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**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.

TÜV SÜD SW Rail Transportation Technology (Jiangsu) Co., Ltd.

Drafted by:

Approved by:

Jinqiang Zhou

Yanan Liu

-End of Report-

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