缆慧检测 ISTCW

CMA 170921341513

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CNAS

中国认可
国际互认
检测
TESTING
CNAS L9930

Contract No.: CN18-02463 Contract No.: ISTCW18-01137

Commission Test

Test Report

Consigner	Caledonian Cables Limited 1/F, CMA Building,64-66 Connaught Road Central, Hong Kong
Sample Name	Composite Cable
Type and Size	CALEDONIAN CC--RG59-2P0.22-3G2.5-H(SWB)H COMPOSITE CABLE
Sample Received Date	September 14th, 2018
Test Duration	September 14th, 2018 –September 29th, 2018
Test Conclusion	The test items comply with the requirements of IEC 60332-3-22:2009 and IEC 60332-1-2:2004+A1:2015 respectively.

This test report is only valid for the tested sample.

Authorized by
Shanghai Intelligent Service and Technology Co., Ltd.

李骥 Li Ji

Signature/Approver

Testing Engineer: 黄宇 Huang Yu

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CALEDONIAN CC--RG59-2P0.22-3G2.5-H(SWB)H COMPOSITE CABLE

1 Sample Description

Manufacturer	Caledonian Cables Limited Northeast Plant, Inside of Dianliu Industrial Park, Shizi Park, DongJia Town, Licheng District, Jinan City, Shangdong Province
Type and Size	CALEDONIAN CC--RG59-2P0.22-3G2.5-H(SWB)H COMPOSITE CABLE
Quantity	110m
Marking	/
Color	Black
Source	Sent by the consigner
Status	Normal appearance

2 Testing and Verdict Standards

2.1 Testing Standards

IEC 60332-3-22: 2009	Tests on electric and optical fibre cables under fire conditions – Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables – Category A
IEC 60332-1-2:2004+A1:2015	Test on electric and optical fibre cables under fire conditions- Part 1-2: Test for vertical flame propagation for a single insulated wire or cable- Procedure for 1kW pre-mixed flame

2.2 Verdict Standards

The same as testing standards.

3 Other Information

3.1 Sample information

The sample's type and size, and manufacture information are provided by the consigner;

3.2 Information from the test laboratory

The following items are carried out at No.458 Haixiang Road, Fengxian, Shanghai, P.R.China:

- Burning test for bunched cables Category A

3.3 Verdict Symbol Definition

P=Complying with requirement (Pass); F=Not complying with requirement (Fail); N=Not required.

CALEDONIAN CC--RG59-2P0.22-3G2.5-H(SWB)H COMPOSITE CABLE

4 Burning test for bunched cables Category A

Test method: IEC 60332-3-22: 2009。

Test parameters:

Total volume of non-metallic	7	L/m
Number of test pieces	23	
Number of layers	2	(14/9)
Positioning of test pieces	Touched	
Number of burners	1	
Flame application time	40	min

Test Item	Unit	Requirement	Test Result	Verdict
- Maximum extent of the charred portion above the bottom edge of the burner	m	≤2.5	0.58	P
- Time to extinction of all burning or glowing	h	/	<0.02	N

5 Test for vertical flame propagation for a single cable

Test method: IEC 60332-1-2:2004+A1:2015.

Test parameters:

Length of sample:	600	mm
Pretreatment temperature:	26	℃
Pretreatment relative humidity:	52	%
Pretreatment time:	16	h
Flame application time:	60	s

Test Item	Unit	Requirement	Test Result	Verdict
- the distance between the lower edge of the top support and the onset of charring	mm	>50	437	P
- the distance from the lower edge of the top support to the lower onset of charring	mm	≤540	523	P

- The End. -