

Title:

Reaction to fire testing on 2C, 16 AWG FIRE ALARM CABLE



Solutions

Prepared for:

Khamis Bakhit Trading LLC,
Shop No - 44, Baghlaf Building, B Block, Deira,
Dubai, UAE

Project No.:

4790992678

Issue number:

01

Date of Issue:

2023-09-08

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UL GMBH - Abu Dhabi Branch
Plot No. 106B-2, ICAD-I 127557
Abu Dhabi, United Arab Emirates



TEST REPORT

Test Report No 4790992678 -TR2

Date of issue 2023-09-08

Issued To Khamis Bakhit Trading LLC,
Shop No - 44, Baghlaf Building, B Block, Deira,
Dubai, UAE

Sample Description Fire Alarm Cable 2C, 16 AWG bare copper, FR-PVC insulation, Al-PE tape shield, FR-PVC Jacket.

Designation PART No FR2152/2C

Voltage Rating --

Sample Tested in accordance with IEC 60332-1-2:2004+AMD1:2015 Ed 1.1

Date of Test 2023-09-04

Additional information Test conducted as per customer request. Test samples were not selected by UL and the sample description was provided by the customer.



Vasantkumar Tototh
Project Handler



Dmitriy Bodik
Reviewer

This test report and test result obtained applies only to the product tested and received as is condition. UL has not established Follow-Up Service or other surveillance of the product and also not involved in any sampling process. The Applicant and/or Manufacturer are solely and fully responsible for conformity of all products to all applicable standards, specifications or requirements. Uncertainty of measurements resulting from the test equipment used and resulting method have been determined and can be provided on request. The measurement uncertainty is not considered when providing statement of conformity according to ILAC-G8-09/2019 clause 4.2.1. Copyright © 2022 UL LLC. UL LLC authorizes the above-named company (Applicant) to reproduce this report provided it is reproduced in its entirety.

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1 IDENTIFICATION OF THE TEST OBJECT

1.1 Description of the test object

Size &Type	Fire Alarm Cable 2C, 16 AWG bare copper, FR-PVC insulation, Al-PE tape shield, FR-PVC Jacket.
Year of manufacture	2023
Marking on the cable	KAYBE (FR2152/2C) Shielded Fire alarm cables 16AWG IEC60332 (June.2023) and length marking in m
Conductor	Solid Bare Copper
Insulation	FR-PVC
Core Identification	Brown & Blue
Shield	Alum-PE tape
Drain wire	Tinned copper
Outer Jacket	FR-PVC
Overall Diameter	6.6 Approx.

Note: Product description above was provided by Khamis Bakhit Trading LLC.

2. Test for vertical flame propagation for a single insulated wire or cable –Procedure for 1 kW pre-mixed flame

Test Methodology and date

Standard IEC 60332-1-2:2004+AMD1:2015 Ed 1.1
Test date 2023-09-04

Environment conditions

Ambient temperature 26.5°C

Characteristic test data

Cable Diameter 5.72 mm
Test duration 60 +/-2 Second

Parameter	unit	requirement	measured/determined
- distance from the lower edge of the top support to the upper onset of charring.	mm	> 50	394
- distance from the lower edge of the top support to the lower onset of charring.	mm	< 540	504

Result

The subject cable met the recommended performance requirement given in IEC 60332-1-2: 2004+A1:2015 Annex A.

This report does not constitute an approval, certification or endorsement of the product tested and no such claims should be made on websites, marketing materials, etc. Any reference to the results contained in this report should be accompanied by a copy of the full report, or a link to a copy of the full report.

END OF TEST REPORT