



TÜRK STANDARDLARI ENSTİTÜSÜ

TURKISH STANDARDS INSTITUTION



Test
TS EN ISO/IEC 17025
AB-0001-T

TSE DENEY VE KALİBRASYON MERKEZİ BAŞKANLIĞI
ELEKTROTEKNİK LABORATUVARI GEBZE MÜDÜRLÜĞÜ
HEADSHIP OF TSE TEST AND CALIBRATION CENTER
ELECTROTECHNICAL LABORATORY GEBZE DIRECTORATE

**CLASSIFICATION OF REACTION TO FIRE
FOR ELECTRIC CABLES
IN ACCORDANCE WITH EN 13501-6**

Sponsor name and adress	:	SAHRA KABLO SAN. VE TİC. A.Ş.
Trade mark	:	SAHRA KABLO
Model	:	Flex (Solar) cable
Product description	:	Single core-Aluminum conductor-Class 5 1kV
Standard applied	:	TS EN 50575/A1:2016
Regulation	:	Construction Products Regulation (305/2011/EU)
Notified Body No	:	1783
Report Number	:	360463
Date of Issue	:	19.09.2017

Reaction to Fire Class: *E_{ca}*

1783

Seal	Person in charge of tests	Approved by
2109 / 2017	Ensar GEDİKOĞLU Electrical Technician	Güvenir Kaan Esen Laboratory Director

Note: This classification document does not represent type approval or certification of the product. The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested. This document consists of 2 pages. This report can't be partially copied and the unsigned copies are invalid.

TS EN 13501-6 04.2014
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This certificate cannot be altered, partially duplicated or ereased for misunderstanding.



1- Introduction

This classification report defines the classification of cable below in accordance with the procedures given in TS EN 13501-6

2- Details of classified product

Trade name, Type of cable	SAHRA KABLO Flex (Solar) cable	
Sample description	Single core-Aluminum conductor-Class 5 1kV	
Tested cable and size and overall diameter	1- Flex (Solar) cable 1x6mm ² 2- Flex (Solar) cable 1x300mm ²	6,5 mm 32,8 mm

3- Test Reports in support of this classification

Enter details of reports here as applicable

Number	Test reports no and Date	Test methods
1	360419/09-17	TS EN 50575/A1: 2016 (TS EN 60332-1-2/A11: 2017)
2	360421/09-17	TS EN 50575/A1: 2016 (TS EN 60332-1-2/A11: 2017)

4- Classification and field of application

The format of the reaction to fire classification for electric cables is:

Fire Behaviour	Smoke Production	Flaming Droplets	Acidity
Eca	-	-	-

Reaction to Fire Classification: Eca

5- Field of Application

This classification is valid for the power cables listed below as determined in the extended application process according to CLC-FprTS 50576-2016.

Trade name	Cable Family	Outer diameter of cable	Reaction to Fire Classification
SAHRA KABLO	Flex (Solar) cable	from 6,5 mm – to 39,36 mm	Eca

