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TSE DENEY ve KALİBRASYON MERKEZİ BAŞKANLIĞI
Elektroteknik ve Kimya Laboratuvarları Grup Başkanlığı
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Test
TS EN ISO/IEC 17025
AB-0001-T

AB-0001-T

336034

03-17

MUAYENE VE DENEY RAPORU
TEST REPORT

Deneysel Talep Eden

(Adı, Adresi, Şehir vb.)

Customer (Name, Address, City etc.)

: ETK KABLO SAN. VE TİC. A.Ş.

Osmangazi Mah. Bilali Habeşi Cad. No.135 Samandıra Kartal-İSTANBUL)

Deneysel Talep Tarihi/No

Order Date / No

Numunenin Tanımı

(Cins, Marka, Tip, Tür, Model vb.)

Sample Description (Type, Mark, Model etc.)

: 10.03.2017 / 173596

: CABLE, ETK, LIYCY-TP 2x2x0.25 mm², - , - , 2.00 metre

.....2.00 meter

Numune Kabul Tarihi

Test Item Receipt Date

: 10.03.2017

Deneysel Yapıldığı Tarih

Date of Test

: 19.03.2017 - 24.03.2017

Uygulanan Standard / Metod

Applied Standard/Method

: TS EN 13501-6:2014-04 Yapı mamulleri ve yapı elemanları - Yangın sınıflandırması - Bölüm 6: Elektrik kablolarındaki yangın deneylerinin reaksiyonlarından elde edilen veriler kullanılarak sınıflandırma

TS EN 13501-6:2014-04 Fire classification of construction products and building elements - Part 6: Classification using data from reaction to fire tests on electric cables

Raporun Sayfa Sayısı

Number of pages of the report

: 4

Açıklamalar

Remarks

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.



Mühür
Seal

Tarih
Date

31.03.17

Deneysel Sorumlusu
Person in charge of tests

Ayhan UÇAR
Kıdemli Teknisyen

Kontrol Eden
Reviewer

Mehmet YAZICI
Teknik Şef

Onaylayan
Approved by

Hilmi AKDOĞAN
Laboratuvar Müdürü

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mühürsüz raporlar geçersizdir.

Bu rapor, sadece deneysel yapılan numune için geçerlidir ve "Ürün Belgesi" yerine geçmez.

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This test report represents only tested sample(s), and shall not be used as Product Certificate



REACTION TO FIRE CLASSIFICATION OF ELECTRICAL CABLES

1-Introduction

This classification report defines the classification assigned to ETK – LIYCY-TP in accordance with the procedures given in TS EN 13501-6



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

Sponsor	ETK KABLO SAN. VE TİC. A. Ş.
Prepared by	TSE Elektroteknik Laboratuvarı Gebze Müdürlüğü
Notified Body No	1783
Product name	ETK with trade mark, LIYCY-TP type of cable
Classification report No	336034 /03-17
Issue number	2
Issue date	28.03.2017

This classification report consists of 4 pages and may only be used or reproduced in its entirety.

2 Details of classified product

2.1 General

ETK with trade mark, LIYCY-TP type of electrical cable

2.2 Product description

ETK with trade mark, LIYCY-TP type of electrical cable is described below.

Sponsor	ETK KABLO SAN. VE TİC. A. Ş.
Manufacturer	ETK KABLO SAN. VE TİC. A. Ş.
Place of manufacturer	Osmangazi Mah. Bilali Habeşi Cad. No: 135 Samandıra-Kartal İstanbul / Türkiye
Trade name	ETK, LIYCY-TP
Sample description	Multicore – Class 5 Copper conductor- PVC insulation– PVC sheath
Tested cable and size	1- LIYCY-TP 2x2x0,25 mm ² 2- LIYCY-TP 24x2x0,75 mm ²
Overall diameter	1- LIYCY-TP 2x2x0,25 mm ² = 5,70 2- LIYCY-TP 24x2x0,75 mm ² = 20,88





3 Reports and results in support of this classification

3.1 Reports

Enter details of reports here as applicable

Name of Laboratory	Name of Sponsor	Test Reports No	Test method
TSE Gebze Electrotechnical Laboratory	ETK KABLO SAN. VE TİC. A. Ş.	336005/ 03-17	TS EN 60332-1-2/A11:2017
TSE Gebze Electrotechnical Laboratory	ETK KABLO SAN. VE TİC. A. Ş.	336006/ 03-17	TS EN 60332-1-2/A11:2017

3.2 Results

Test method and type of cable	Parameter	No. of test	Test results	
			Continuous parameter	Compliance with parameters
LIYCY 2x2x0,25 mm ² TS EN 60332-1-2/A11:2017	H (Vertical flame spread)	1	135 mm	≤ 425mm / Eca
LIYCY 24x2x0,75mm ² TS EN 60332-1-2/A11:2017	H (Vertical flame spread)	1	145 mm	≤ 425mm / Eca

4 Classification and field of application

4.1 Reference of Classification

This classification has been carried out in accordance with TS EN 13501-6:2014.

4.2 Classification

The power cables in relation to reaction to fire behaviour are classified:

E_{ca}

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

Fire Behaviour	Smoke Production	Flaming Droplets	Acidity
E_{ca}	-	-	-

Reaction to Fire Classification: E_{ca}





4.3 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.

Brand name	Cable Family	Number of cores	Conductor size	Reaction to Fire Classification
ETK	LIYCY-TP	2 to 20 cores	0,25 mm ²	E _{ca}
		2 to 20 cores	0,34 mm ²	
		2 to 20 cores	0,50 mm ²	
		2 to 48 cores	0,75 mm ²	
		2 to 20 cores	1,00 mm ²	
		2 to 20 cores	1,50 mm ²	
		2 to 20 cores	2,50 mm ²	

5 Limitations

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

Signed

Ayhan UÇAR

Technician

Electrotechnical Laboratory

Approved

Hilmi AKDOĞAN

Director of Electrotechnical

Laboratory