



**TÜRK STANDARTLARI ENSTİTÜSÜ**  
**TURKISH STANDARDS INSTITUTION**

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



**REACTION TO FIRE CLASSIFICATION OF ELECTRICAL CABLES**

<b>Sponsor</b>	:	XDK Communication Equipment (Huizhou), Ltd.
<b>Model</b>	:	XDK / Simplex Cable LSZH
<b>Product description</b>	:	Simplex Cable, Single core –Tight buffered fiber -Aramid yarn-LSZH sheath
<b>Regulation</b>	:	Construction Products Regulation (305/2011/EU)
<b>Laboratory</b>	:	Electrotechnical Laboratory Gebze Directorate
<b>Notified Body No</b>	:	1783
<b>Date of Issue</b>	:	13.07.2017

**Reaction to Fire Class: *Dca-s2,d2,a1***

		<b>Prepared by</b>		<b>Approved by</b>
				
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**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.



## 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

Sponsor	XDK Communication Equipment (Huizhou), Ltd.	
Manufacturer (if different)		
Place of Manufacturer	No.6, Huitai Road, Digital Industrial Park S, Hui'ao Avenue, Huizhou, China	
Sample description		
Family of cable	XDK / Simplex Cable LSZH - Single core	
Sample description	Simplex Cable, Single core – Tight buffered fiber - Aramid yarn-LSZH sheath	
Tested cable and overall diameter	1- XDK / Simplex Cable LSZH 2.0 mm 2- XDK / Simplex Cable LSZH 3.0 mm	2.0 mm 3.0 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	350552/ 07-17	TS EN 50399/A1 - TS EN 60332-1-2/A11:2017, TS EN 60754
2	350553/ 07-17	TS EN 50399/A1 - TS EN 60332-1-2/A11:2017, TS EN 60754

## 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
<i>Dca</i>	<i>s2</i>	<i>d2</i>	<i>a1</i>

Reaction to Fire Classification: **Dca-s2,d2,a1**

## 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.

Cable Family	Description	Reaction to Fire Classification
XDK –Simplex cable -LSZH	XDK / Simplex Cable LSZH 2.0 mm XDK / Simplex Cable LSZH 3.0 mm	<b>Dca-s2,d2,a1</b>

