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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

350553

07-17

**MUAYENE VE DENEY RAPORU**  
**TEST REPORT**

**Deneysel Talep Eden** : XDK COMMUNICATION EQUIPMENT (HUİZHOU) LTD.  
(Adı, Adresi, Şehir vb.)  
**Customer (Name, Address, City etc.)** NO.6, HUI TAI ROAD, DIGITAL INDUSTRIAL PARK S, HUI AO AVENUE, HUİZHOU, CHİNA --huizhou

**Deneysel Talep Tarihi/No** : 08.06.2017 / 180924  
**Order Date / No**

**Numunenin Tanımı** : KABLO, XDK, SIMPLEX CABLE LSZH (3.mm) , - , - , 900,00 metre  
(Cins, Marka, Tip, Tür, Model vb.)  
**Sample Description (Type, Mark, Model etc.)** CABLE, ..., 900,00 meter

**Numune Kabul Tarihi** : 08.06.2017  
**Test Item Receipt Date**

**Deneysel Yapıldığı Tarih** : 15.06.2017 - 13.07.2017  
**Date of Test**

**Uygulanan Standard / Metod** : TS EN 50575 :2014-11 GÜÇ, KONTROL VE HABERLEŞME KABLOLARI - İNŞAAT İŞLERİNDE GENEL UYGULAMALAR İÇİN YANGIN GEREKLİLİKLERİNE TEPKİ VERMEYE TABİ  
**Applied Standard/Method** TS EN 50575 :2014-11 Power, control and communication cables - Cables for general applications in construction works subject to reaction to fire requirements

**Raporun Sayfa Sayısı** : 3  
**Number of pages of the report**

**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

26.07.17

Tarih  
Date

Deneysel Sorumlusu  
Person in charge of tests

Ensar GEDİKOĞLU  
Tekniker

Kontrol Eden  
Reviewer

Bayram AY  
Yüksek Mühendis

Onaylayan  
Approved by

Hilmi AKDOĞAN  
Laboratuvar Müdürü

Bu rapor, hazırlayan laboratuvarın yazılı izni olmadan kısmen kopyalanıp çoğaltılamaz. İmzasız ve mührsüz 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



## TEST RESULTS

Sponsor	XDK Communication Equipment (Huizhou), Ltd.
Manufacturer	XDK Communication Equipment (Huizhou), Ltd.
Cable Type	XDK / Simplex Cable LSZH 3.0 mm

## TEST REPORT

### TS EN 50399:2011/A1:2016

Date of Test	13.07.2017
Sample description	XDK / Simplex Cable LSZH 2.0 mm
Number of Cables	11 pieces in 15 bundles
Outer diameter of cable	3.0 mm
Mounting method	Bundles
Backing board on ladder {Y/N}	N
Flame application time (min)	20 minute
Output of the burner	20,5 kW
<b>Results</b>	
Flame spread (m)	2,1 m
Heat Release Rate(Peak HRR <sub>av</sub> )	31,28 kW
Total Heat Release (THR)	16,52 MJ
Fire Growth Rate Index (FIGRA)	172,90 W/s
Occurrence of flaming droplets/particles . (Droplets)	Droplets occurred – d < 10 s
Smoke Production Rate (Peak SPR <sub>av</sub> )	0,07 m <sup>2</sup> /s
Total smoke Production (TSP)	31,19 m <sup>2</sup>





## TEST RESULTS

Sponsor	XDK Communication Equipment (Huizhou), Ltd.
Manufacturer	XDK Communication Equipment (Huizhou), Ltd.
Cable Type	XDK / Simplex Cable LSZH 3.0 mm

TS EN 60332-1-2/A1:2016 / A11:2017		
Test Properties	Standard Value	Measured Value
Vertical flame spread of single cable test (TS EN 60332-1-2/A1:2016 / A11:2017)  Overall diameter: 3,0 mm  Flame application time: 60 sn	Vertical flame spread  (H) $\leq$ 425mm	Vertical flame spread  (H) : 100 mm

TS EN 60754-2		
Test Properties	Standard Value	Measured Value
pH measurement and Conductivity	a1 = conductivity $<$ 2.5 $\mu$ S/mm and pH $>$ 4,3  a2 = conductivity $<$ 10 $\mu$ S/mm and pH $>$ 4.3;	pH = 5,7  Conductivity= 2,0 $\mu$ s/mm

## RESULTS

The result of test, which were performed on the cable sample **XDK / Simplex Cable LSZH 3.0 mm** according to method standards TS EN 50399/A1, TS EN 60332-1-2/A1:2016 / A11:2017 and TS EN 60754-2 for reaction to fire classification, are given above.

## REACTION TO FIRE CLASS (TS EN 13501-6) Dca\_s1\_d1\_a1

