

Accredited Body
No: AB-0556-T

Notified Body
No: 2184

CLASSIFICATION OF REACTION TO FIRE IN ACCORDANCE WITH EN 13501-6:2014

Sponsor : TEMKA KABLO İNŞ. SAN. TİC. LTD.ŞTİ.
Atatürk Mah. İnönü Cad. No:48/I Esenyurt,
İSTANBUL/TURKEY

Prepared by : EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.
Dilovası OSB Mah. Fırat Cad. No: 18 Dilovası
KOCAELİ, TURKEY

Product name : Cat 6 U/UTP LSZH 4x2x23 AWG
(U/UTP unscreened twisted pair)

**Classification
report No.** : ERA - 18 – 052

Issue Number : 1/2

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This classification report consists of 5 pages and may only be used or reproduced in its entirety.

1. INTRODUCTION

This classification report defines the classification assigned to “Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair)” in accordance with the procedures given in EN 13501-6:2014.

2. DETAILS OF CLASSIFIED PRODUCT

2.1. General:

Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair) is defined as a “type of classified product”.

2.2. Description:

Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair) is fully described in the test reports in support of the classification listed in clause 3.

Manufactured Plant: TEMKA KABLO İNŞ. SAN. TİC. LTD.ŞTİ.
Atatürk Mah. İnönü Cad. No:48/I Esenyurt, İSTANBUL/TURKEY

Tested product types:

Product Name	External diameter [mm]	Mono annealed copper conductor		Diameter of LDPE insulation sheath [mm]	LSZH/HFFR outer sheath [kg/km]	
		Weight [kg/km]	Diameter [mm]		Diameter [mm]	Thickness [mm]
Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair)	6,92	18,5	0,573	1,03	6,40	0,80

3. REPORTS AND RESULTS IN SUPPORT OF CLASSIFICATION

3.1. Reports

Name of laboratory	Name of sponsor	Report ref. no.	Test method and date Field of application rules and date
EFFECTIS ERA AVRASYA TEST VE BELGELENDİRME A.Ş.	TEMKA KABLO İNŞ. SAN. TİC. LTD.ŞTİ.	FTST18184	EN 60332-1-2:2004/A11:2016

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A.B

3.2. Results

Test method	Parameter	Number of test	Results	
			Continuous parameter mean (m)	Compliance parameters
EN 60332-1-2 Flame exposition: 60 s	H (mm)	1	80	(-)
(-): Not applicable				

The table below shows the results for a single cable :

Test method	Parameter	Classification result	Compliance parameters
EN 60332-1-2	H (mm)	80	≤ 425
(-): Not applicable			

4. CLASSIFICATION AND FIELD OF APPLICATION

4.1. Reference of classification

This classification has been carried out in accordance with the clauses 9.3 of EN 13501-6:2014

4.2. Classification

Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair), in relation to its reaction to fire behaviour is classified:

E_{ca}

The additional classification in relation to smoke production is:

not classified

The additional classification in relation to flaming droplets / particles is:

not classified

The additional classification in relation to acidity is:

not classified

The format of the reaction to fire classification for *Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair)* is:

Fire behaviour		Smoke production			Flaming droplets			Acidity	
E _{ca}	-	s	not classified	,	d	not classified	,	a	not classified

Reaction to fire classification: E_{ca}

4.3. Field of application

This classification is valid for the following product parameters as determined in the extended application process according to *CLC/TS 50576 : 2016* :

Cable Family	Cat 6 U/UTP LSZH 4x2x23 AWG (U/UTP unscreened twisted pair)
External Diameter [mm]	6,92
Core Nature	Mono annealed copper
Insulation Nature	LDPE
Outer Sheath	LSZH/HFFR
Colour	Orange
Shape	Circular
Manufacturing Plant	Article 2.2

The classification is valid for all end use applications.



5. LIMITATIONS

5.1. Restrictions

This classification report is valid provided that the technical specifications of product are within the limits in accordance with the field of application clause 4.3.


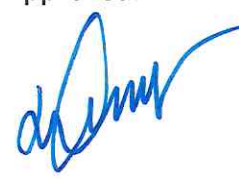
5.2. Warning

This classification document does not represent type approval or certification of the product.

Include the following statement when the product is being CE marked under attestation of conformity system 3:

“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:  Approved: 

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Ali BAYRAKTAR Onur DAĞ
Person in the charge of tests Operation Manager

