

Technical Report

20-TUV-ATR-EU-0064

TÜV AUSTRIA TURK
BELGELENDİRME EĞİTİM VE GÖZETİM
HİZMETLERİ LTD. ŞTİ.
Çamlık Mah.İkbal Cad.Dinç Sok.
No:28 PK:34774
Ümraniye / İSTANBUL – TURKEY
www.tuvaustriaturk.com



Manufacturer: MEKAS KABLO SAN.ve TİC.A.Ş.
Type: CAT5 e FL9YBC11Y 4X2X0,22 sn

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**The burning behaviour of materials used in the interior
construction of certain categories of motor vehicles**

Test Standard

**ECE Regulation 118. 03 series of amendments dated October 18, 2018 (Part II)
as well as tests according to**

Level of amendment

**ECE R-118.03
(Date 16th October 2018)**

Approval Status	
<input type="checkbox"/>	Granting of a type approval
<input type="checkbox"/>	Extension to type approval number:
<input type="checkbox"/>	Correction to type approval number:
<input checked="" type="checkbox"/>	Only test report

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0. General

- 0.1 Applicant **MEKAS KABLO SAN.ve TİC.A.Ş.**
Osmangazi Mah.Yıldırım Beyazıt Cad.No:28/1
Sancaktepe / İSTANBUL - TÜREY
- 0.2 Manufacturer **MEKAS KABLO SAN.ve TİC.A.Ş.**
Osmangazi Mah.Yıldırım Beyazıt Cad.No:28/1
Sancaktepe / İSTANBUL - TÜREY

1. Features of the material

- 1.1 Type CAT5 e FL9YBC11Y 4X2X0,22 sn
- 1.1.1 Base material / designation %100 HFFR-POLÜRATAN(Halogenfree flame retardant) / DATA KABLOSU
- 1.2 Conductor total size (mm²): 1,76 mm²
- 1.3 Type of surface material HFFR-POLÜRATAN
- 1.4 Colour YEŞİL
- 1.5 Min. Outside cable diameter 6,02 mm

1.6 Equipment for measuring and testing

Equipment	Serial No.	Calibration Due Date	
➤ Stopwatch	31/20-03122	01.2021	<input checked="" type="checkbox"/>
➤ Tape measure	80 / 19-38170	07.2020	<input checked="" type="checkbox"/>
➤ Caliper	154 / 901888	05.2020	<input checked="" type="checkbox"/>
➤ Thermometer	140111374 / 62	09.2020	<input checked="" type="checkbox"/>
➤ Digital scales	32/19-03065	01.2021	<input checked="" type="checkbox"/>

- 1.7 Test Location and Date TR-İstanbul / 12.05.2020

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2. Test Record

2.1 Testing of the burning behaviour of interior materials according to ECE- R 118.03

- ECE- R 118.03 Annex 6
- ECE- R 118.03 Annex 7
- ECE- R 118.03 Annex 8
- ECE- R 118.03 Annex 9
- ECE- R 118.03 Annex 10 Paragraph 6.2.6
(ISO 6722-1:2011 Item 5.22)

2.2 Test results

- The requirements concerning the burning behaviour according to ECE-R 118 Appendix 6 / 8 are fulfilled. They were verified in

- ↔ Horizontal direction
ECE-R 118.03 (Annex 6)
- ↓ Vertical direction and
ECE-R 118.03 (Annex 8)
- ↕ horizontal and vertical direction
ECE-R 118.03 (Annex 6 and 8)

- The requirements concerning the resistance to flame propagation for cables according to **ECE- R 118.03 Annex10 Paragraph 6.2.6 (ISO 6722-1:2011 Item 5.22 are met)**

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2.2.2 ECE- R 118.03 Annex 10

Cable sampe NO.	Conductor cross-section (mm ²)	Flame application time until conductor wire visible (S)	Burning Time (S)	Burning distance (mm)	Unburned length of the insulation (mm)	Comments / Remarks
1	Yeşil 1,76 mm ²	30 sn	16 sn	67 mm	430 mm	Fulfilled
2	Yeşil 1,76 mm ²	30 sn	13 sn	62 mm	448 mm	Fulfilled
3	Yeşil 1,76 mm ²	30 sn	09 sn	61 mm	460 mm	Fulfilled
4	Yeşil 1,76 mm ²	30 sn	08 sn	60 mm	465 mm	Fulfilled
5	Yeşil 1,76 mm ²	30 sn	18 sn	68 mm	425 mm	Fulfilled

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3. Enclosures

- Annex A - Manufacturer Information Document – 2 pages
- Annex B - Test Photos – 1 page

4. Statement of conformity

As the result of inspections of **MEKAS KABLO SAN.ve TİC.A.Ş.** component sample, it has been confirmed that the sample have fulfilled the requirements related to the ECE R-118.03 as given.

This test report must not be duplicated without written approval of TÜV AUSTRIA TURK BELGELENDİRME EĞİTİM VE GÖZETİM HİZMETLERİ LTD. ŞTİ.

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This test report consists of 6 pages.

Approval authority	Country	Registration number	Actual scope list
Sanayi ve Teknoloji Bakanlığı	Türkiye	21676894-130.01-E246	https://www.sanayi.gov.tr/page.html?sayfalid=4e4d87f0-d8e5-453b-9b46-9b44c2d0a138&lang=tr
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 108	https://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29wg_s/wp29gen/wp29fdoc/02-ECE-TRANS-WP.29-343-Rev.26.pdf

TR- İstanbul
14.05.2020

Özlem OK
A Check

Abdullah ATEŞ
Q Check



Kenan KAŞIKCI
Recognized
Expert/Signature



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Revision-Date	03 / 11.09.2017	Document No	FRM-ATR-056-C	Page	5 of 6

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ECE- R 118.03 Annex 10 Paragraph 6.2.6 (ISO 6722-1:2011 Item 5.22 are met) burning behaviour:

Before the Test
Yeşil



After the Test
Yeşil

