

Manufacturer: MEKAS KABLO SAN.ve TİC.A.Ş.  
Type: FLRYCY 2X0,75 mm<sup>2</sup>

## Technical Report

### 20-TUV-ATR-EU-0009

**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

**Technical Report**

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**TÜV AUSTRIA TURK**  
BELGELENDİRME EĞİTİM VE GÖZETİM  
HİZMETLERİ LTD. ŞTİ.  
Barbaros Mah. Susuz Sok.  
No:13/1 PK: 34746  
Ataşehir / İSTANBUL – TURKEY  
[www.tuvaustriaturk.com](http://www.tuvaustriaturk.com)



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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/İST-TR
- 0.2 Manufacturer **MEKAS KABLO SAN.ve TİC.A.Ş.**  
Osmangazi Mah.Yıldırım Beyazıt Cad.No:28/1  
Sancaktepe/İST-TR

**1. Features of the material**

- 1.1 Type FLRYCY 2X0,75 mm<sup>2</sup>
- 1.1.1 Base material / designation PVC
- 1.2 Conductor total size (mm<sup>2</sup>): 0,75 mm<sup>2</sup>
- 1.3 Type of surface material VERY CORE
- 1.4 Colour GREY
- 1.5 Min. Outside cable diameter 5,80

**1.6 Equipment for measuring and testing**

Equipment	Serial No.	Calibration Date	
➤ Stopwatch	AUTO-028	11.07.2019	<input checked="" type="checkbox"/>
➤ Tape measure	AUTO-003	18.02.2019	<input checked="" type="checkbox"/>
➤ Caliper	AUTO-006	18.02.2019	<input checked="" type="checkbox"/>
➤ Thermometer	AUTO-018	15.02.2019	<input checked="" type="checkbox"/>
➤ Probe	AUTO-019	15.02.2019	<input checked="" type="checkbox"/>
➤ Digital scales	AUTO-016	18.03.2019	<input checked="" type="checkbox"/>

- 1.7 Test Location and Date TR-İstanbul / 22.01.2020

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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 <sup>2</sup>	Flame application time until conductor wire visible	Burning Time  (S)	Burning distance  (mm)	Unburned length of the insulation  (mm)	Comments / Remarks
1	Yellow 0,75 mm <sup>2</sup>	Wire conductor became visible	1 sn	56 mm	480 mm	Fulfilled
2	Yellow 0,75 mm <sup>2</sup>	Wire conductor became visible	4 sn	57 mm	473 mm	Fulfilled
3	Yellow 0,75 mm <sup>2</sup>	Wire conductor became visible	8 sn	69 mm	474 mm	Fulfilled
4	Yellow 0,75 mm <sup>2</sup>	Wire conductor became visible	3 sn	66 mm	466 mm	Fulfilled
5	Yellow 0,75 mm <sup>2</sup>	Wire conductor became visible	0 sn	57 mm	471 mm	Fulfilled

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**3. Enclosures**

- Manufacturer Information Document – 1 page

**4. Statement of conformity**

As the result of inspections of **MEKAS KABLO SAN.ve TİC.A.Ş.** company's sample, it has been confirmed that the sample have fulfilled the requirements related to the ECE R-118.03 as given. Tests have not been continued as wire conductor has become visible.

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	<a href="https://www.sanayi.gov.tr/page.html?sayfald=4e4d87f0-d8e5-453b-9b46-9b44c2d0a138&amp;lang=tr">https://www.sanayi.gov.tr/page.html?sayfald=4e4d87f0-d8e5-453b-9b46-9b44c2d0a138&amp;lang=tr</a>
National Standards Authority of Ireland (NSAI)	Ireland	Technical Service Number: 108	<a href="https://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29wg/s/wp29gen/wp29fdoc/02-ECE-TRANS-WP.29-343-Rev.26.pdf">https://www.unece.org/fileadmin/DAM/trans/main/wp29/wp29wg/s/wp29gen/wp29fdoc/02-ECE-TRANS-WP.29-343-Rev.26.pdf</a>

TR- İstanbul  
04.02.2020

Özlem OK  
A Check

Sinan COŞKUN  
Q Check



Batuhan AŞLAKCI  
Recognized  
Expert/Signature

*[Handwritten signatures of Özlem OK and Sinan COŞKUN]*

*[Handwritten signature of Batuhan AŞLAKCI]*



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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



After the Test

