

Technical Report

20-TUV-ATR-EU-0039

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: CAT 6A F09YBC11Y 4X2X0,22mm²

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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

Granting of a type approval

Extension to type approval number:

Correction to type approval number:

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

1. Features of the material

- 1.1 Type CAT 6A F09YBC11Y 4X2X0,22mm²
- 1.1.1 Base material / designation %100 HFFR-POLÜRATAN(Halogenfree flame retardant) / DATA CABLE
- 1.2 Conductor total size (mm²): 1,76 mm²
- 1.3 Type of surface material HFFR-POLÜRATAN
- 1.4 Colour Yellow
- 1.5 Min. Outside cable diameter 5,21 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 / 12.03.2020

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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	Yellow 1,76 mm ²	30 sn	32 sn	34 mm	440 mm	Fulfilled
2	Yellow 1,76 mm ²	30 sn	28 sn	39 mm	453 mm	Fulfilled
3	Yellow 1,76 mm ²	30 sn	30 sn	37 mm	445 mm	Fulfilled
4	Yellow 1,76 mm ²	30 sn	30 sn	35 mm	442 mm	Fulfilled
5	Yellow 1,76 mm ²	30 sn	32 sn	36 mm	443 mm	Fulfilled

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3. Enclosures

- Manufacturer Information Document – 2 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?sayfald=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/wp29doc/02-ECE-TRANS-WP.29-343-Rev.26.pdf

TR- İstanbul
17.03.2020

Özlem OK
A Check

Abdullah ATEŞ
Q Check



Kenan KAŞIKCI
Recognized
Expert/Signature



Manufacturer: MEKAS KABLO SAN.ve TİC.A.Ş.
Type: CAT 6A F09YBC11Y 4X2X0,22mm²

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



**INFORMATION DOCUMENT FOR COMPONENT (R118.03 Annex 2)
AKSAMLAR İÇİN BİLGİ DÖKÜMANI (R118.03 Ek 2)**

1. GENERAL / GENEL	
1.1. <i>Make (trade name of manufacturer) / Üretici adı :</i>	MEKAS KABLO SAN.ve TIC. A.Ş.
1.2. <i>Type and general commercial description(s) / Tip ve genel ticari tanım (lar) :</i>	CAT 6A F09YBC11Y 4X2X0,22mm ²
1.3. <i>Name and address of manufacturer / Üretici adı ve adresi :</i>	MEKAS KABLO SAN.ve TIC. A.Ş. Osmangazi Mah.Yıldırım Beyazıt Cad.No:28/1 Sancaktepe/İSTANBUL - TURKEY
1.4. <i>In the case of components and separate technical units, location and method of affixing of the approval / Ayrı teknik ünite ve aksam durumunda onay işareti oluşturma metodu ve yeri :</i>	N/A
1.5. <i>Address(es) of assembly plant(s) / Montaj yer(leri) adresi :</i>	MEKAS KABLO SAN. ve TIC. A.Ş. Osmangazi Mah.Yıldırım Beyazıt Cad.No:28/1 Sancaktepe/İSTANBUL - TURKEY
2. INTERIOR MATERIALS / İÇ TRİM MALZEMELERİ (*)	
2.1. <i>Material(s) intended for horizontal / vertical / horizontal and vertical installation. Material intended to be installed more than 500mm above the seat cushion and/or on the ceiling of the vehicle: yes / not applicable / Malzeme yatay / dikey / yatay ve dikey kullanım içindir. Malzeme koltuk minderi üzerinden 500 mm den fazla bir yükseklikte ve/veya araç tavanındadır : Evet / Hayır</i>	
2.2. <i>Base material(s)/designation/Baz malzeme(ler)/tanım :</i>	
2.3. <i>Composite/single material, number of layers / Kompozit/tek katman malzeme, kat sayısı :</i>	
2.4. <i>Type of coating(*) / Kaplama tipi :</i>	
2.5. <i>Maximum/minimum thickness mm / Max/min kalınlık mm :</i>	
2.6. <i>Type-approval number, if available / Varsa tip onay no :</i>	
3. INSULATION MATERIALS / İZOLASYON MALZEMESİ (*)	
3.1. <i>Material(s) intended for horizontal / vertical / horizontal and vertical installation / Malzeme yatay / dikey / yatay ve dikey kullanım içindir</i>	
3.2. <i>Base material(s)/designation / Baz malzeme(ler)/tanım :</i>	

3.3.	<i>Composite/single(*) material, number of layers</i> / Kompozit/tek katman malzeme, kat sayısı :	
3.4.	<i>Type of coating(*)</i> / Kaplama tipi :	
3.5.	<i>Maximum/minimum thickness mm</i> / Max/min kalınlık mm	
3.6.	<i>Type-approval number, if available</i> / Varsa tip onay no :	
4. ELECTRIC CABLES / ELEKTRİK KABLOSU (*)		
4.1.	<i>Material(s) used for</i> / Malzeme(ler) kullanım yeri :	DATA KABLOSU
4.2.	<i>Base material(s)/designation</i> / Baz malzeme(ler)/tanım :	%100 HFFR-POLÜRATAN(Halogenfree flame retardant
4.3.	<i>Composite/single material, number of layers</i> / Kompozit/tek katman malzeme, kat sayısı :	Single
4.4.	<i>Type of coating(*)</i> / Kaplama tipi :	%100 HFFR-POLÜRATAN(Halogenfree flame retardant
4.5.	<i>Maximum/minimum thickness mm</i> / Max/min kalınlık mm	5.21 mm
4.6.	<i>Type-approval number, if available</i> / Varsa tip onay no :	N.A.