CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ

Ferhatpaşa Mah. 23. Sok. No:17/1
Ataşehir İstanbul/TÜRKİYE

Deney Raporu
Test Report

LVD-183-85R1.0
08-24

Müşterinin adı /adresi: Customer name/address	***MUTLUSAN PLASTIK ELEKTRIK SAN. VE TIC. A.Ş.*** *İkitelli O.S.B. Mah. Enkoop cad. No:7 Başakşehir / İstanbul /TURKEY*
İstek Numarası: Order no.	***21072024bk01R1.0***
Numunenin Adı ve Tarifi: Name and identity of test item	***001 008 060060 20 13; PERFORATED CABLE TRUNKING***
Numunenin Kabul tarihi: The date of receipt of test item	***06.01.2022***
Açıklamalar: Remarks	***Ürün uygulanan testlerden geçmiştir, lütfen raporu inceleyiniz. 15.08.2024 tarihinden itibaren LVD-183-85 numaralı rapor geçersizdir. 15.08.2024 tarihinden itibaren LVD-183-85R1.0 numaralı rapor geçerlidir. Revizyon sebebi ayniyet beyanı güncellemesidir.*** /The product passes applied tests, see report below. As of 15.08.2024, report number LVD-183-85 is invalid. As of 15.08.2024, report number LVD-183-85R1.0 is valid. The reason for the revision is the update of the identity declaration.
Deneyin yapıldığı tarih: Date of Test	***06.01.2022 – 03.02.2022***
Raporun Sayfa Sayısı: Number of pages of the Report	***24* sayfa** */ pages*

Deney ve /veya ölçüm sonuçları, genişletilmiş ölçüm belirsizlikleri (olması halinde) ve deney metotları bu sertifikanın tamamlayıcı kısmı olan takip eden sayfalarda verilmiştir.

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/Tarih Seal/ Date	***Deney Sorumlusu*** Person in charge of test	***İnceleyen*** *Reviewer*	***Onaylayan Vekili*** Approved By Proxy
CGS TEST HİZMETLERİ KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ			
15.08.2024	***Naim Koralp KARAKOÇ***	***Ecem DEMİRKAZIK***	***Naim Koralp KARAKOÇ***

LVD-180-85R1.0
08-24

Test Report

TS EN 50085-2-3:2011

Cable trunking systems and cable ducting systems for electrical installations

Part 2-3:Particular requirements for slotted cable trunking systems intended for installation in cabinets

Report Reference No.....:	LVD-183-85R1.0
Date of issue.....:	15.08.2024
Testing Laboratory.....:	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ
Address.....:	Ferhatpaşa Mah. 23. Sok. No:17/1 Ataşehir İstanbul/TÜRKİYE
Testing location.....:	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ
Address.....:	Kayışdağı Mah. Gülçin Sok. No:2/2 Ataşehir İstanbul/TÜRKİYE
Applicant's name.....:	MUTLUSAN PLASTIK ELEKTRIK SAN. VE TIC. A.Ş.
Address.....:	İkitelli O.S.B. Mah. Enkoop cad. No:7 Başakşehir İstanbul/TURKEY
Manufacturer .....:	MUTLUSAN PLASTIK ELEKTRIK SAN. VE TIC. A.Ş.
Address.....:	İkitelli O.S.B. Mah. Enkoop cad. No:7 Başakşehir İstanbul/TURKEY
Test specification:	
Standard.....:	TS EN 50085-2-3:2011 used in conjunction with TS EN 50085-1/A1 :2013
Test procedure.....:	Type Test
Non-standard test method.....:	N/A
Test Report Form No......:	CGS_EN 50085_R1.0
Test item description*..... :	PERFORATED CABLE TRUNKING
Trade Mark*.....:	Mutlusan electric
Manufacturer* .....:	MUTLUSAN PLASTIK ELEKTRIK SAN. VE TIC. A.Ş.
Model/Type reference*.....:	001 008 060060 20 13
Ratings*.....:	60X60 mm

NOT: (*) belirtilen bilgiler müşteri tarafından beyan edilmiştir.
NOTE: (*) the specified information has been declared by the customer

CGS TEST HİZMETLERİ KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
TS EN 50085-2-3:2011standard; The necessary tests were done for sample.	CGS TEST HİZMETLERİ TEKNİK KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ Kayışdağı Mah. Gülçin Sok. No:2/2 Ataşehir İstanbul/TÜRKİYE
Summary of compliance with National Differences:	
Copy of marking plate*: **Marking on the channel** MUTLUSAN ELECTRIC 001 008 060060 20 13 NON-METALLIC 60X60 PERFORATED CABLE TRUNKING MADE in TURKEY	

NOT: (*) belirtilen bilgiler müşteri tarafından beyan edilmiştir.
NOTE: (*) the specified information has been declared by the customer

Classification:.....:	
6.1 According to its material.....:	~~Metallic CDS / CTS~~ ; Non-metallic CDS / CTS; ~~composite CDS / CTS~~
6.2 Impact resistance.....:	N/A
6.3 Lowest storage and transport temperature.....:	-25 °C
6.3 Lowest installation and application temperature.....:	-25 °C
6.3 Highest application temperature.....:	+60 °C
6.4 Resistance to flame spread.....:	Non- Flame spreading CDS / CTS ; ~~Flame-spreading CDS / CTS~~
6.5 According to the electrical continuity feature.....:	Non- electrical continuity
6.6 According to the electrical insulation feature.....:	Nonconductive
6.7 According to the degree of protection provided by the enclosure in accordance with EN 60529: 1991.. :	N/A
6.8 Protection against corrosive and pollutants.....:	CDS / CTS with low protection inside and outside ~~CDS / CTS with low protection on the inside and medium protection on the outside~~ ~~CDS / CTS with medium protection inside and outside~~ ~~CDS / CTS with low protection on the inside and high protection on the outside~~ ~~CDS / CTS with medium protection on the inside and high protection on the outside~~ ~~CDS / CTS with high protection inside and outside~~
6.9 According to the system access door being stopped.....:	Freehand lid installation
6.10 According to electrically protective separation.....:	N/A
6.101 by intended facility locations....:	~~6.101.1 Vertical surface or horizontal surface mounted~~
It can be defined with more than one classification.	6.101.2 Mounted on a vertical or horizontal surface, except in the lower position of the cover.

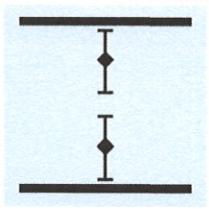
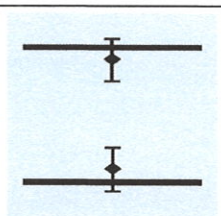
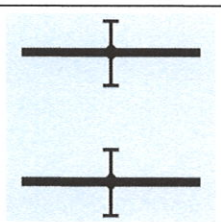
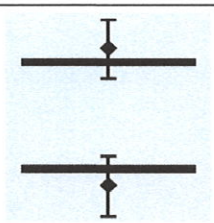
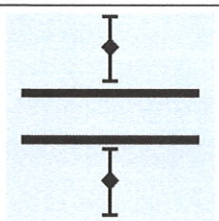
Possible test case verdicts:

- test case does not apply to the test object.....: N/A
- test object does meet the requirement .....: P (Pass)
- test object does not meet the requirement.....: F (Fail)
- test cannot be applied in this laboratory..... ....: LNA
- non-requested test or inspection by the customer....: NRT

DECISION RULE:

CGS Test Hizmetleri has determined the Decision Rule based on the Simple Acceptance Rule specified in the ILAC G8 (2019) Document. (w=0)

Decision Rule Table:

				
Pass	Pass	if the desired value is "≥" lower limit, the result is pass if the desired value is ">" lower limit, the result is fail if the desired value is "≤" upper limit, the result is pass if the desired value is "<" upper limit, the result is fail	Fail	Fail

Disclaimer
General remarks: The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a comma (point) is used as the decimal separator.
General product information*: Perforated cable trunkings are used to pass cables in panel assemblies.

NOT: (*) belirtilen bilgiler müşteri tarafından beyan edilmiştir.
NOTE: (*) the specified information has been declared by the customer

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

7	MARKING		P
7.1	a) Manufacturer's name or trademark		P
	b) Product identification mark		P
	Manufacturer name or trademark, type reference sample name / product identification mark must be on the channel. (TS EN 50085-1)		P
	The markings of the system components other than the equipped length should be on them or their packages (TS EN 50085-1)		P
	Marking on earthing equipment shall be in accordance with IEC 60417, symbol 417 IEC-5019a		N/A
7.2	The marking must be durable and easily readable. The durability inspection is checked by rubbing the marking with water and petroleum derivatives. (TS EN 50085-1)		P
7.3	The manufacturer must provide all necessary information for proper and safe installation and use.		P
	-Minimum system components		P
	-Purpose of system components and their assembly		P
	-Classification of the system in accordance with Clause 6		P
	-CDS / CTS function list for Type 1		P
	-Linear impedance for CDS / CTS according to Clause 6.5.1		P
	-Rated voltage for CDS / CTS according to Clause 6.6.2		P
	-Usable cross section in mm^2 for CDS / CTS		P
	-Necessary instructions, IP protection class, installation position (TS EN 50085-2-1)		P
8	**DIMENSIONS**		**P**
8	The manufacturer must declare the cross-sectional areas of the CDS / CTS that can be used for the cables in mm^2.	See Table 8 and 9.	P
8.101	Fixing holes, if any, at the base of the cable tray lengths grooved according to different widths of the equipped cable tray as shown in Figure 101.		P

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Small holes in a row along the length of the channel ≤12.5 mm wide, > 12.5 mm and ≤ 62.5 mm wide, preferably holes along the entire length of a row of channel, Positioned symmetrically along the channel length > 62.5 mm wide, 25 mm or 50 mm apart from the holes should preferably have two or more rows.		P
9	**Construction**		**P**
9.1	There should be no sharp corners, burrs and surface protrusions on the inner and outer surfaces of duct systems / duct lengths / fittings to prevent damage to the conductors and cables. (TS EN 50085-2-1)		P
9.3	CDS / CTS Channel and systems may have separators for separating electrical circuits. (TS EN 50085-2-1)		P
9.4	Screwed and other mechanical connections must be resistant to mechanical stress during assembly and use. (TS EN 50085-2-1)		P
9.4.1	Screws used for threads in non-metal materials should be tightened and loosened 10 times.	No screws are provided with the product.	N/A
9.4.2	Reusable mechanical connections, except for screw connections, must be fixed and removed 10 times.	channel connections are screwless.	N/A
9.4.3	Re unused connections should be checked by inspection		N/A
9.5	Accessible conductor parts of CDS / CTS must comply with 9.5.1 or 9.5.2. (TS EN 50085-2-1)		N/A
9.5.1	Accessible conductive parts energized by fault should have means for a reliable connection to earth.		N/A
9.5.2	Earthing connection is not required if additional insulation measures are taken to the live sections and in cases where it is not possible to reach under normal conditions.		N/A
9.8	If the ducts have pipe entrance openings, these must comply with EN 60423.		N/A
10	**MECHANICAL PROPERTIES**		**P**
10.1	Mechanical strength: ducts and connecting spacers must have sufficient mechanical strength. Compliance is checked by the tests specified in 10.2 to 10.8. (TS EN 50085-1)		P
10.2	Cable Support Test		P
10.2.1	Each test is performed on a new sample of the length of the equipped cable corrugated with a length of (250 ± 5) mm.		P

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Equipped cable duct lengths that are non-metallic and composite corrugated before testing are continuously aged at a declared temperature according to Table 3.		P
	The sample is securely fastened to a rigid smooth support such as a 16 mm thick plywood sheet using flat metallic gaskets with an external diameter of 10 mm and suitable metallic screws. When the 10 mm external diameter is too large, a suitable smaller gasket and screw is used. The anchor point (s) are positioned at centers (200 ± 5) mm along the sample as shown in Figure 103.		P
	Within the sample width;		P
	- For an equipped cable tray with a width of less than 50 mm, a single fixing point is used as shown in Figure 103 a).		P
	- For equipped cable duct with a width equal to or greater than 50 mm, two fixing points are used as shown in Figure 103 b).		N/A
	If the manufacturer's instructions require the use of cable holders or splitters, these are to be determined according to the manufacturer's instructions. Cable holders, if any, are fixed symmetrically along the length.		N/A
	The sample is subjected to a uniformly distributed load of 0.8 g/mm^2 per meter of length of declared usable area for the cables. This load is distributed between compartments in proportion to the declared usable area. The load consists of insulated copper conductors or cables of class 5 in Table 3 of HD 383 S2 or of stranded insulated conductors or cables of similar mass per meter.	See Table 10.2	P
	A preload of 10% of the load is applied to accommodate the sample and removed after (300 ± 30) s. The measuring equipment is then calibrated to zero.		N/A
	Insulated conductors or cables with a nominal cross-sectional area of 25 mm^2 are placed in the sample so that approximately 50% of the load is obtained. Insulated conductors or cables with a nominal cross-sectional area of 2.5 mm^2 are placed on top of larger cross-section cables to achieve a total load within ± 5 g tolerance. Insulated conductors or cables with a nominal cross-sectional area of 2.5 mm^2 are used if the dimensions of the compartment do not allow the insertion of cables or insulated conductors of 25 mm.		P

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Equipped cable duct lengths, non-metallic and composite corrugated, are tested at the maximum application temperature declared by the manufacturer according to Table 3.		P
10.2.2	Corrugated equipped cable tray lengths are installed according to Figure 104 a).		P
	The vertical deviation F after (120 + 5/0) minutes with the load applied is measured approximately in the middle of the length.		P
	F should not exceed 10% of the height of H, with a maximum of 10 mm (Figure 104 a)).	See Table 10.2	P
10.2.3	Corrugated cable lengths classified according to Clause 6.101.1 are installed according to Figure 104 b).		N/A
	The vertical deviation F after (120 + 5/0) minutes with the load applied is measured approximately in the middle of the length.		N/A
	F should not exceed 10% of the width of W, with a maximum of 10 mm (Figure 104 b)).	~~See Table 10.2~~	N/A
10.3	**Impact test**		P
10.3.1	**Impact test for storage and transportation (TS EN 50085-1)**		P
	This is done on one or more cable duct samples of 250 mm length. The samples are conditioned for 168 hours at the declared temperature specified in table 3.		P
	Then the samples are conditioned for at least 2 hours in the refrigerator at the temperature specified in table 1. Then, with the impact tester shown in Figure 2, an impact is applied to the sample within 10 seconds, to the center of the cover or the center of the base. Mass of hammer 0.5 kg / Drop height 100 mm		P
	After the test, there should not be any signs and cracks that may impair the safety of the samples. Cracks in interior compartments that are not likely to impair electrical safety or normal use are neglected. Cracks and breaks in the wall finger are neglected.	See Table 10.3	P
	This experiment does not apply to wall fingers, tabs, membranes and the like, and within 50 mm of each end.		P
10.6	System access door stopper test(TS EN 50085-1)		N/A
	Access covers of cable trays classified according to 6.9.2 shall not be capable of opening without a tool. The cable cover is firmly fixed and pulled with reasonable force. The cover should not be opened at the end of the experiment.		N/A

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict

11	**ELECTRICAL SPECIFICATIONS**		P
11.1	Electrical continuity (TS EN 50085-1)	It is applied to metal or composite cable channels.	N/A
	Metal and composite CDS / CTSs declared in accordance with Clause 6.5 must have sufficient conductivity. All samples are subjected to conditioning according to item 11.1 before the test. Compliance is checked by experiments on a 600 mm long CDS / CTS cable duct assembly.		N/A
11.1.1	The samples are kept in a degreasing material for 10 minutes. After that, it is kept outside for 10 minutes and dried in an oven at 100 ± 5 ° C for 10 minutes. Then the samples are passed through the tests in articles 11.1.2.1 and 11.1.2.2.		N/A
11.1.2	**Electrical resistance tests (TS EN 50085-1)**	It is applied to metal or composite cable channels.	N/A
11.1.2.1	**Sample resistance per unit length** A current of 1.0 ± 0.1 is passed through the sample and the voltage drop over it is measured. The sample should not have a resistance of more than 5 mΩ / m.		N/A
11.1.2.2	**Earthing and bonding resistance** 1 CDS / CTS conduit sample and the termination attachment are assembled together according to the manufacturer's instructions. A current of 25 A with a frequency of 50 Hz to 60 Hz with a no-load voltage exceeding 12 V. It is passed through the setup with time. The measured resistance should not exceed 0.1 Ω.		N/A
11.2	**Insulation resistance and dielectric strength (TS EN 50085-1)**		P
11.2.1	CDS / CTS declared in accordance with clause 6.6.1 must have sufficient insulation resistance and dielectric strength.		P
11.2.2	The 250 mm long sample is kept at a temperature of 25 ° C to 30 ° C for at least 4 hours. The sample is then conditioned for 120 h in a humidity cabinet with a relative humidity of 91-95% and a temperature of 25 ° C to 30 ° C.		P
11.2.3	Insulation resistance is measured at 500 Vdc between copper electrodes placed on both sides of the channel. The measured value should not be less than 100 MΩ.	See Table 11.2 999,9 MΩ	P
11.2.4	When 2Un + 1000 = 3000Vac voltage is applied between the copper electrodes, there should be no jumping and puncture on the sample.	See Table 11.2	P
12	**THERMAL PROPERTIES**		P

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
12.1	**Heat resistance test**		P
	Non-metallic and composite CDS / CTS ducts must have sufficient heat resistance. Compliance is checked by the tests given in 12.1, 12.2 and 12.3.		P
12.2	Non-metallic and composite CDS / CTS ducts and systems must have sufficient heat resistance.		N/A
	The sample is subjected to a ball pressure test by means of the equipment shown in Figure 5. The sample is placed in a horizontal position and a force of 20 N is applied against the surface with a 5 mm diameter ball. The sample is kept at the specified temperature and under load for 1 hour. Then the sample is cooled within 10 seconds.		P
	Temperature for parts holding current carrying parts°C	125±2 °C	P
12.3	Temperature for parts other than these, ° C	70±2 °C	P
	At the end of the experiment, the diameter of the break left by the ball is measured. The measured permissible diameter value should be a maximum of 2 mm. Measured diameter value	See Table 12	P
13	**FIRE HAZARD**		**P**
13.1.1	**The start of the fire**		P
	Compliance of CDS / CTS system components (fittings) is checked by applying the glow wire test in IEC 60695-2-1. The test is performed on one sample, in case of doubt, the test is repeated on two additional samples.		P
	This experiment; The sections that hold the stressed sections in place are made at 850 ° C for the other sections at 650 ° C.		P
	If there is no burning in the sample or the hot wire is pulled, 30 seconds. If the burning extinguishes later, the sample is considered to have passed this test. Burning time (s) max 30 sn	See Table 13.1.1	P
13.1.2	Non-metallic and composite system components should not actively contribute to fire.		N/A
	The glow wire test in all sections under the conditions specified in 13.1.1 at a temperature of 650 °C is carried out in accordance with EN 60695-2- 11 Clause 4 to 10.		N/A

TS EN 50085-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
	Sections pre-tested at 650 °C or 850 °C according to 13.1.1 are not retested at this temperature.		N/A
13.1.3	**Fire spread**		P
	Corrugated equipped cable duct systems should either ignite or, if ignited, continue to burn when the source of ignition is removed.		P
	- Other system components of non-metallic or composite material at a temperature of 650 °C by the test in 13.1.1.		N/A
	Equipped cable duct lengths with non-metallic or composite material corrugation with the following flame test,		P
	The test is carried out on two sets of samples of (675 ± 10) mm in length. Section dividers should be mounted on equipped cable duct lengths with a section divider groove if not complete with the specimens. Other sections can be added to the samples at the request of the manufacturer.	See Table 13.1.3	P
	The slotted equipped cable duct length is placed vertically with the lowest end of (100 ± 5) mm on the thin paper covered with pine board as shown in Figure 105 in a rectangular metal enclosure with an open face as shown in Figure 4. The slotted equipped cable tray length is securely fastened along the fixing holes or to a rigid support in the base of the slotted equipped channel according to the manufacturer's instructions.		P
	The burner is positioned on the first set of samples so that the axis will make an angle of 45° ± 2° with the horizontal and the flame will be applied centrally towards the border of the wall opening approximately 200 mm above the wrapping paper covering the pine wood and the tip of the burner tube is (5 ± 1) mm from the sample.		P
	This test is repeated by applying a burner flame to one end of the cover on the second set of samples, but preferably on the edge with the thinnest wall thickness or to the boundary of a groove, if any.		P
	An exposure time that fades to 60 is used.		P
14	**EXTERNAL EFFECTS**		N/A
14.2	**Protection against corrosive and pollutants**		N/A
	Under consideration.		N/A

8 and 9	Table: Dimensional check			P
Rated WxL (mm)	Measured WxL (mm)	Additional piece compatibility (Additional parts should be easy to install on the duct and should not create protrusions inside the cable installation)	Visual control (There should be no burrs, sharp edges and deformation on the surfaces on the cable channel and fittings)	Verdict
60X60	60x60	-	Pass	P

10.2	Table: Cable support test		P
WxL (mm)	Detection distance and applied weight	Measured deflection (Max 10mm / Hx0,1)	Verdict
0.8 g (250 mm) per mm² of the usable area declared per meter length.			
60x60	---	2,0	Pass

10.3.1	Table: Impact Test for Storage and Transport					P
WxL (mm)	Conditioning Time (s) / Temperature (°C)	Temperature according to Table 1 (°C)	Mass Of Hammer (gr)	Drop Height (mm)	Have any signs or cracks occur in the samples that may impair safety? (Yes No)	Verdict
60x60	168 / 60	-25	500	100	No	Pass

11.2	Table: Insulation Resistance and Dielectric Strength				P
WxL (mm)	Conditioning Temperature (°C) / Humidity%	Conditioning time (hour)	Applied Voltage (DC)	Measured value (Min 100 MΩ)	Verdict
60x60	25,0°C / % 93Rh	120	500	999,9 MΩ	Pass

12	Table: Heat Resistance Test (Ball Pressure)			P
WxL (mm)	Experimental Section	Test Temperature (°C)	The measured permissible diameter value should be a maximum of 2 mm.	Verdict
60x60	Non-Current Sections	70±2 °C	< 2,00	Pass

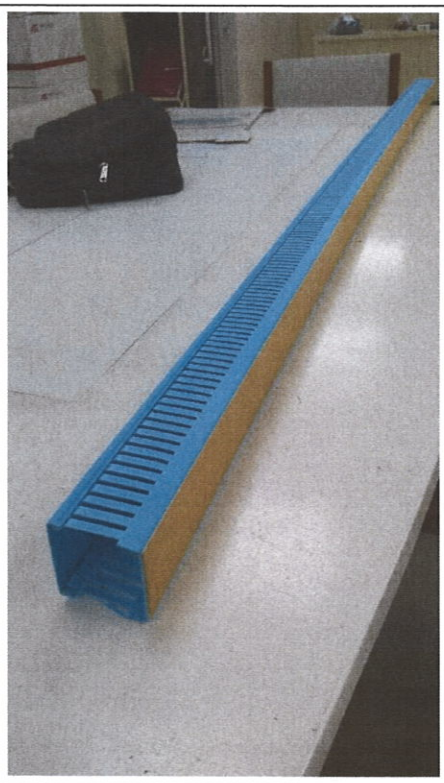
13.1.1	Table: Fire Initiation Experiment (Glow Wire)				P
Wxl (mm)	Experimental Section	Test Temperature (°C)	Did Burn Occur? (Yes No)	Burning time after hot wire is pulled (max 30 sec)	Verdict
60x60	Non-Current Sections	650	No	-	Pass

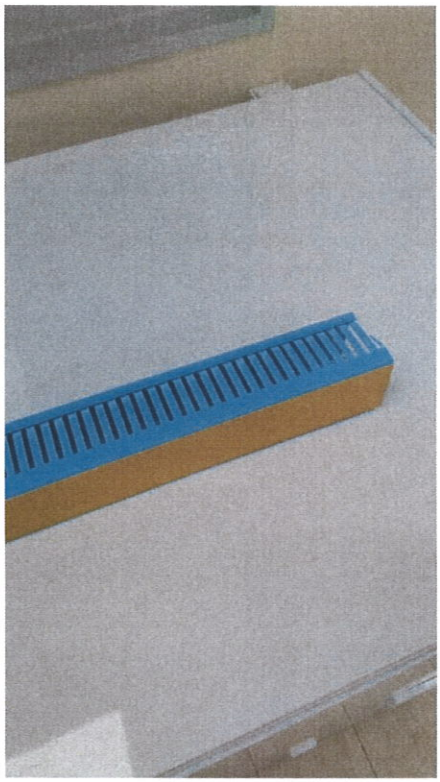
13.1.3	Yangının Yayılması Deneyi madde			P
WxL (mm)	Flame holding time (sec)	Extinction time (sec)	Non-flammable CDS / CTS ducts and systems should either not ignite or not continue to burn after the ignition source is removed.	Verdict
60x60	60	-	The sample itself extinguished after the flame receded.	Pass

LVD-180-85R1.0
08-24

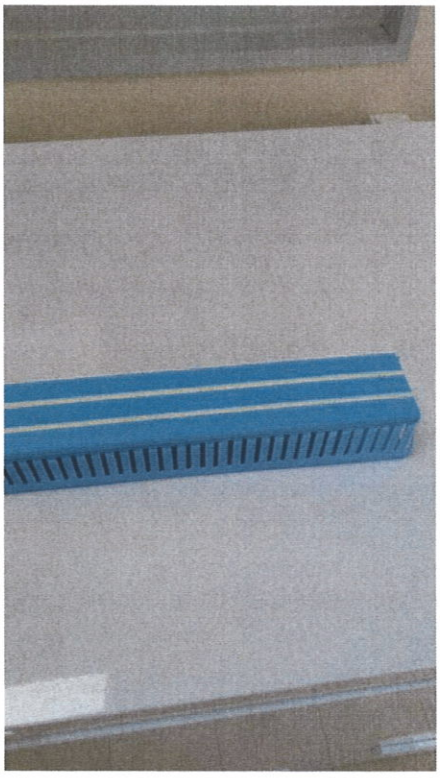
ATTACHMENT 1
PHOTO DOCUMENTATION

Photo documentation

Product Photo

Product Photo



Product Photo



Product Photo

ATTACHMENT 2

Equipment of measurements

Equipment No	Kind of equipment	Model Type	Manufacturer	Last Cal Date	Next Cal Date	Last Ver Date	Next Ver Date	Test Clause
E-002	Digital Caliper	16W18	KOÇTAŞ	1.10.2021	1.10.2022	---	---	---
E-005	Glow wire	---	ULMEKA MEKATRONİK SİSTEMLER	18.10.2021	18.10.2022	---	---	---
E-034	Etuv Oven	T12	HERAEUS	18.10.2021	18.10.2022	---	---	---
E-004	Climatic Chamber	---	ULMEKA Mekatronik Sistemler	18.10.2021	18.10.2022	---	---	---
E-033	Temperature-Humidity Meter	30.3166.02.S2	TFA	19.10.2021	19.10.2022	---	---	---
E-011	Multimeter	UT61B	UNI-T	11.10.2021	11.10.2022	---	---	---
E-054	CE compact tester	C.A 6160	Chauvin Arnoux	3.01.2022	3.01.2023	---	---	---
E-037	Dynamometer	Geratech	SF-500	6.10.2021	6.10.2022			
E-045	Ball-pressure mass	2014/587	Teknik Mekatronik	22.03.2021	22.03.2023	---	---	---
E-007	Needle flame	---	ULMEKA MEKATRONİK SİSTEMLER	---	---	---	---	---
E-085	High Voltage Apparatus	HVA58	ÖZ MAKİNA	---	---	---	---	---
E-058	Impact Hammer	F22.50	PTL Dr Grabenhost Gmbh	6.10.2021	6.10.2023	---	---	---

CGS TEST HİZMETLERİ KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ

LVD-180-85R1.0
08-24

ATTACHMENT 3*
Identity Declaration

Mutlusan electric

09.08.2024

IDENTITY DECLARATION

Mutlusan Plastic Electric Inc. We declare that the products listed below are the same as raw materials.

001 005 025025 10 00	25X25 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 025025 10 13	25X25 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 025025 10 17	25X25 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 025025 20 00	25X25 CABLE TRUNK.(SLOTTED)(WHITE)2M
001 005 025025 20 13	25X25 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 025025 20 17	25X25 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 025040 10 00	25X40 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 025040 10 13	25X40 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 025040 10 17	25X40 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 025040 20 00	25X40 CABLE TRUNK.(SLOTTED)(WHITE)2M
001 005 025040 20 13	25X40 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 025040 20 17	25X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 025060 10 13	25X60 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 025060 10 17	25X60 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 025060 20 00	25X60 CABLE TRUNK.(SLOTTED)(WHITE)(2M)
001 005 025060 20 13	25X60 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 025060 20 17	25X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 040040 10 00	40X40 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 040040 10 13	40X40 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 040040 10 17	40X40 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 040040 20 00	40X40 CABLE TRUNK.(SLOTTED)(WHITE)2M
001 005 040040 20 13	40X40 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 040040 20 17	40X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 040040 99 17	40X40 CABLE TRUNK.(SLOTTED)(GRAY)
001 005 040060 10 00	40X60 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 040060 10 13	40X60 CABLE TRUNK.(SLOTTED)(BLUE)(1M)

001 005 040060 10 17	40X60 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 040060 20 00	40X60 CABLE TRUNK.(SLOTTED)(WHITE)2M
001 005 040060 20 13	40X60 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 040060 20 17	40X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 040060 99 17	40X60 CABLE TRUNKING(SLOTTED)(GRAY)(S.S)
001 005 040080 10 13	40X80 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 040080 10 17	40X80 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 040080 20 13	40X80 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 040080 20 17	40X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 060040 10 00	60X40 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 060040 10 13	60X40 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 060040 10 17	60X40 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 060040 20 13	60X40 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 060040 20 17	60X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 060040 99 17	60X40 CABLE TRUNKING(SLOTTED)(GRAY)(SP.)
001 005 060060 10 00	60X60 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 060060 10 13	60X60 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 060060 10 17	60X60 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 060060 20 13	60X60 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 060060 20 17	60X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 060060 99 17	60X60 CABLE TRUNKING(SLOTTED)(GRAY)(S.S)
001 005 060080 10 13	60X80 CABLE TRUNKING(SLOTTED)(BLUE)(1M)
001 005 060080 10 17	60X80 CABLE TRUNKING(SLOTTED)(GRAY)(1M)
001 005 060080 20 13	60X80 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 060080 20 17	60X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 060100 10 13	60X100 CABLE TRUNKING(SLOTTED)(BLUE)(1M)
001 005 060100 10 17	60X100 CABLE TRUNKING(SLOTTED)(GRAY)(1M)
001 005 060100 20 13	60X100 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 060100 20 17	60X100 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 080060 10 00	80X60 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 080060 10 13	80X60 CABLE TRUNK.(SLOTTED)(BLUE)(1M)

001 005 080060 10 17	80X60 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 080060 20 13	80X60 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 080060 20 17	80X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 080060 99 17	80X60 CABLE TRUNKING(SLOTTED)(GRAY)(S.S)
001 005 100060 10 00	100X60 CABLE TRUNK.(SLOTTED)(WHITE)1M
001 005 100060 10 13	100X60 CABLE TRUNK.(SLOTTED)(BLUE)(1M)
001 005 100060 10 17	100X60 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 100060 20 13	100X60 CABLE TRUNKING(SLOTTED)(BLUE)(2M)
001 005 100060 20 17	100X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)
001 005 100100 10 13	100X100 CABLE TRUNK.(SLOTTED)(GRAY)(1M)
001 005 100100 10 17	100X100 CABLE TRUNK.(SLOTTED)(GRAY)(2M)
001 005 100100 20 00	100X100 CABLE TRUNK.(SLOTTED)(WHITE)(2M)
001 005 100100 20 13	100X100 CABLE TRUNK.(SLOTTED)(BLUE)(2M)
001 005 100100 20 17	100X100 CABLE TRUNK.(SLOTTED)(GRAY)(2M)
001 008 025025 10 13	25X25 CABLE TRUNK.SLOTTED(BLUE)ADH.1 MT
001 008 025025 10 17	25X25 CABLE TRUNK.SLOTTEDGRAY)ADH.1 MT
001 008 025025 20 13	25X25 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 025025 20 17	25X25 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 025040 10 13	25X40 CABLE TRUNK.SLOTTED(BLUE)ADH.1 MT
001 008 025040 10 17	25X25 CABLE TRUNK.SLOTTED GRAY ADH.1M
001 008 025040 20 13	25X40 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 025040 20 17	25X40 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 025060 10 13	25X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 025060 10 17	25X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 025060 20 13	25X60 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 025060 20 17	25X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 040040 10 00	40X40 CABLE TRUNK.EKO(SLOTTED ADH.)WHITE
001 008 040040 10 13	40X40 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 040040 10 17	40X40 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 040040 20 13	40X40 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 040040 20 17	40X40 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)

001 008 040060 10 13	40X60 CABLE TRUNK.SLOTTED BLUE ADH.1M
001 008 040060 10 17	40X60 CABLE TRUNK.(SLOTTED)(GRAY)ADH.1 M
001 008 040060 20 13	40X60 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 040060 20 17	40X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 040080 10 13	40X80 CABLE TRUNK.(SLOTTED)(1M)(BLUE)(ADH.)
001 008 040080 10 17	40X80 CABLE TRUNK.(SLOTTED)(1M)(GRAY)(ADH.)
001 008 040080 20 13	40X80 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 040080 20 17	40X80 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 060040 10 13	60X40 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 060040 10 17	60X40 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 060040 20 13	60X40 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 060040 20 17	60X40 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 060060 10 13	60X40 CABLE TRUNK.(SLOTTED)BLUE ADH.1M
001 008 060060 10 17	60X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 060060 20 13	60X60 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 060060 20 17	60X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 060080 10 13	60X80 CABLE TRUNK.(SLOTTED)(1M)(BLUE)(ADH.)
001 008 060080 10 17	60X80 CABLE TRUNK.(SLOTTED)(1M)(GRAY)(ADH.)
001 008 060080 20 13	60X80 CABLE TRUNK.(SLOTTED)(2M)(BLUE)(ADH.)
001 008 060080 20 17	60X80 CABLE TRUNK.(SLOTTED)(2M)(GRAY)(ADH.)
001 008 060100 10 13	60X100 CABLE TRUNK.(SLOTTED)(1M)(BLUE)(ADH.)
001 008 060100 10 17	60X100 CABLE TRUNK.(SLOTTED)(1M)(GRAY)(ADH.)
001 008 060100 20 13	60X100 CABLE TRUNK.(SLOTTED)(2M)(BLUE)(ADH.)
001 008 060100 20 17	60X100 CABLE TRUNK.(SLOTTED)(2M)(GRAY)(ADH.)
001 008 080060 10 13	80X60 CABLE CONDUIT (HOLEY)(BLUE)(YPŞB)
001 008 080060 10 17	80X60 CABLE TRUNKING SLOTTED (GREY)(ADH.)
001 008 080060 20 13	80X60 CABLE TRUNK.(SLOTTED))(BLUE)(ADH.)
001 008 080060 20 17	80X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 100060 10 13	100X60 CABLE TRUNK.(SLOTTED)(BLUE)(ADH.)
001 008 100060 10 17	100X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 100060 20 13	100X60 CABLE TRUNK.(SLOTTED)(BLUE)(ADH.)

001 008 100060 20 17	100X60 CABLE TRUNK.(SLOTTED)(GRAY)(ADH.)
001 008 100100 10 13	100X100 CABLE TRUNK.(SLOTTED)(1M)(BLUE)(ADH.)
001 008 100100 10 17	100X100 CABLE TRUNK.(SLOTTED)(1M)(GRAY)(ADH.)
001 008 100100 20 13	100X100 CABLE TRUNK.(SLOTTED)(2M)(BLUE)(ADH.)
001 008 100100 20 17	100X100 CABLE TRUNK.(SLOTTED)(2M)(GRAY)(ADH.)
001 014 100100 20 00	25X30 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 120060 20 00	25X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 930010 20 00	25X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 930016 20 00	25X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 940016 20 00	40X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 960025 20 00	40X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 014 974020 20 00	40X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 025030 20 17	40X100 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 025040 20 17	60X40 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 025060 20 17	60X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 025080 20 17	60X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 040040 20 17	60X100 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 040060 20 17	80X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 040080 20 17	80X80 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 040100 20 17	80X100 CABLE TRUNK.(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 060040 20 17	100X60 CABLE TRUNKING(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 060060 20 17	100X80 CABLE TRUNK.(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 060080 20 17	100X100 CABLE TRUNK.(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 060100 20 17	120X60 CABLE TRUNK.(SLOTTED)(GRAY)(2M)(PROMEX)
001 105 080060 20 17	120X80 CABLE TRUNK.(SLOTTED)(GRAY)(2M)(PROMEX)

Yönetim Kurulu Başkan Yardımcısı
Hıdır KAÇMAZ

MUTLUSAN PLASTİK ELEKTRİK SAN. ve TİC. A.Ş.
İkitelli Organize Sanayi Bölgesi Mah. Enkoop Cad.
No:7 Başakşehir/İSTANBUL Tel:0212 485 05 44(pbx)
Fax:0212 485 10 12 www.mutlusan.com.tr
Marmara Kurumlar V.D.: 6260386887
Tic.Sic.No:399328 Mersis No:0626-0386-6870-0015

CGS TEST HİZMETLERİ KONTROL VE BELGELENDİRME ANONİM ŞİRKETİ

NOT: (*) belirtilen bilgiler müşteri tarafından beyan edilmiştir.
NOTE: (*) the specified information has been declared by the customer

Mutlusan Plastik Elektrik San.Tic.A.Ş.
İOSB Mah.Enkoop Cad. No:7 Başakşehir/İSTANBUL
Tel: +90 212 485 04 55
Fax: +90 212 485 10 12

ATTACHMENT 4

Revision List

Date of Issue	Remarks
01.06.2024	First Issue
15.08.2024	Identity declaration update.