Certificate No.: 2410071835323878

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

FIRE RESISTANT, HALOGEN FREE, FLAME RETARDANT POWER CABLES

TL Project No	**23-2626**
Manufacturer	**BAŞOĞLU Kablo ve Profil Sanayi ve Tic. A.Ş.**
Address	**Merkez, Organize Sanayi Bölgesi, Akın Çakmak Blv. Bolu**
Product Type	**SIMH-O**
Reference Rule	**TL Rules, Part B, Chapter 5, Electric, 01.07.2022** **IEC 60332-3-22, 13.07.2018** **TS IEC 60331-21 - Tests For Electric Cables Under Fire Conditions - Circuit İntegrity - Part 21: Procedures And Requirements - Cables of Rated Voltage Up to and İncluding 0,6/1,0 kV, 07.12.2006** **TS EN 60228 - CONDUCTORS OF INSULATED CABLES, 01.12.2005v** **IEC 60754 - 1&2 , 17.11.2011** **EN 50363-1 Insulating, sheathing and covering materials for low-voltage energy cables Part -1: Cross-linked elâstomeric insulating compounds , 25.04.2006** **EN 50363-2- 1 Insulating, sheathing and covering materials for low voltage energy cables - Part 2-1: Cross-linked elastomeric sheathing compounds , 25.04.2006** **EN IEC 60331-1 Tests for electric cables under fire conditions - Circuit integrity - Part 1, 30.09.2019**
Expire Date of Previous Certificate	**-**

Subject to the conditions referred to in the following pages, this certificate is valid until 06.01.2030.

Place and Date **ISTANBUL / 29.01.2025**

Emrah SÖĞÜTÇÜ

New Building Division Manager

132161

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and revelant international instruments that apply to it.

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Product	: FIRE RESISTANT, HALOGEN FREE, FLAME RETARDANT POWER CABLES
Type of Product	: SIMH-O
Approval No / Date	: PAE-EPAS/019784/23-2626/EA 16.10.2024
Design	: Voltage Class up to 0.6/1kV and Temp. Class 200°C
Cross Section	: 0,50 mm2 to 120 mm²
Size	: Core Number: 1 to 61 pcs.
Material Used	: Conductor: Electrolytic Stranded Copper, Bare or Tinned Class5 Acc. to TS EN 60228, 01.12.2005 Material for Insulation: Silicone Rubber Compound, EI2 Acc. To EN 50363-1, 25.04.2006 - Halogen free, Cross - linked Elastomeric Insulating Compounds Material for Sheath: Silicone Rubber Compound, EM9 Acc. To EN 50363-2-1, 25.04.2006 - Halogen free, Cross - linked Elastomeric Sheating Compounds
Application/Limitation	: Naval application are not covered by this type approval certificate
Performed Tests	: Following Test have been carried out and found satisfactory; Quality Audit Visual Inspection and Dimensional Controls Marking Control Print Durability Control Mechanical Controls; -Tensile Strength and Elongation Change Tests Before Ageing Treatment -Tensile Strength and Elongation Change Tests After Ageing Treatment Thermal Effect Tests; -Hot Set Test -Cold Bending Test Flame Retardant Tests Operation Under Fire Condition Test Smoke Density Test Halogen Content Control, Corrosivity of Combustion Gases and Fluorine Content Test Toxicity Index Control Electrical Controls; -Conductor Resistance Test -High Voltage Test -Insulation Resistance Test
Test Place	: BAŞOĞLU KABLO VE PROFİL SANAYİ VE TİCARET ANONİM ŞİRKETİ, BOLU/TÜRKİYE
Last Inspection Date	: 06.01.2025

Approval Conditions : Applications other than the "Material Used*" upper mentioned are not covered by this type approval certificates.

Surveyor Name : Osman Yalçın YALMAN

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