Certificate No.: 2312131610463878

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

SHEATHED FLEXIBLE ELECTRICAL CABLES

TL Project No	**23-1191**
Manufacturer	**BAŞOĞLU Kablo ve Profil Sanayi ve Tic. A.Ş.**
Address	**Merkez, Organize Sanayi Bölgesi, Akın Çakmak Blv. Bolu**
Product Type	**(H)05RN-F, (H)07RN-F**
Reference Rule	**TL Rules, Part B, Chapter 5, Electric, 01.07.2022** **EN 50525-2-21, Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (Uo/U) - Part 2-21: Cables for general applications - Flexible cables with crosslinked elastomeric insulation , 22.11.2011** **EN 50525-1 Electric cables - Low voltage energy cables of rated voltages up to and including 450/750 V (U0/U) - Part 1: General requirements , 22.11.2011**
Expire Date of Previous Certificate	**-**
Place and Date	**İSTANBUL / 11.11.2024**

Subject to the conditions referred to in the following pages, this certificate is valid until 10.11.2029.

Emrah SÖĞÜTÇÜ

New Building Division Manager

131830

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	: SHEATHED FLEXIBLE ELECTRICAL CABLES
Type of Product	: (H)05RN-F, (H)07RN-F
Product Description	: Conductor: Electrolytic Copper Wires (Bare or Tinned Coated) Class 5 According to IEC 60228 Insulation: Cross-Linked Elastomeric Compound, Type EI 4. Lay Up: Cores are Stranded in Layers . (For Multicore Cables) Separator : PET Foil (Optional) Inner Sheath: Cross-Linked Elastomeric Compound, Type EM 2 or EM3. (If outer sheath thickness greater than 2,4 mm) Outer Sheath: Cross-Linked Elastomeric Compound, Type EM 2. Outer Sheath Colours: Black (Other Colours on Request.) Number of Cores : 1 to 36, Cross Section : 1,0 to 630 mm2 for (H)07RN-F, 2 to 5, Cross Section : 0,75 to 1,0 mm2 for (H)05RN-F Voltage Rate: 450 / 750 V for (H)07RN-F, 300 / 500 V for (H)05RN-F Test Voltage: 2,5 kV AC for (H)07RN-F, 2 kV AC (H)05RN-F Operating Temperature: -25 °C / +60 °C In Flexing Use, -40°C to +90°C In Fixed Use
Approval No / Date	: PAE-EPAS/016450/23-1191/EA, 04.07.2023, PAE-EPAS/016464/23-1191/EA, 05.07.2023
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 - Cold Impact Test Flame Retardant Tests Ozone Resistance Test Tear Resistance Test UV Resistance Test Oil Resistance Test Electrical Controls; -Conductor Resistance Test -High Voltage Test -Insulation Resistance Test
Test Place	: BAŞOĞLU KABLO VE PROFİL SANAYİ VE TİCARET ANONİM ŞİRKETİ- BOLU
Test Scope	: Type Tests
Last Inspection Date	: 11.11.2024
Approval Conditions	: 1- Applications other than the "Material Used" mentioned in this certificate are not covered by this type approval certificates. 2- Naval application are not covered by this type approval certificate 3- This cable are not used on permanent installation where in areas attended by passengers and in service areas acc. to TL Rule Part B Ch.5 Sec.14 F.2.1 4- This cable are not used on Location that Emergency services required to be operable under fire conditions mentioned in TL Rule Part B Ch.5 Sec.12 D15.13

Surveyor Name : Osman Yalçın YALMAN

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