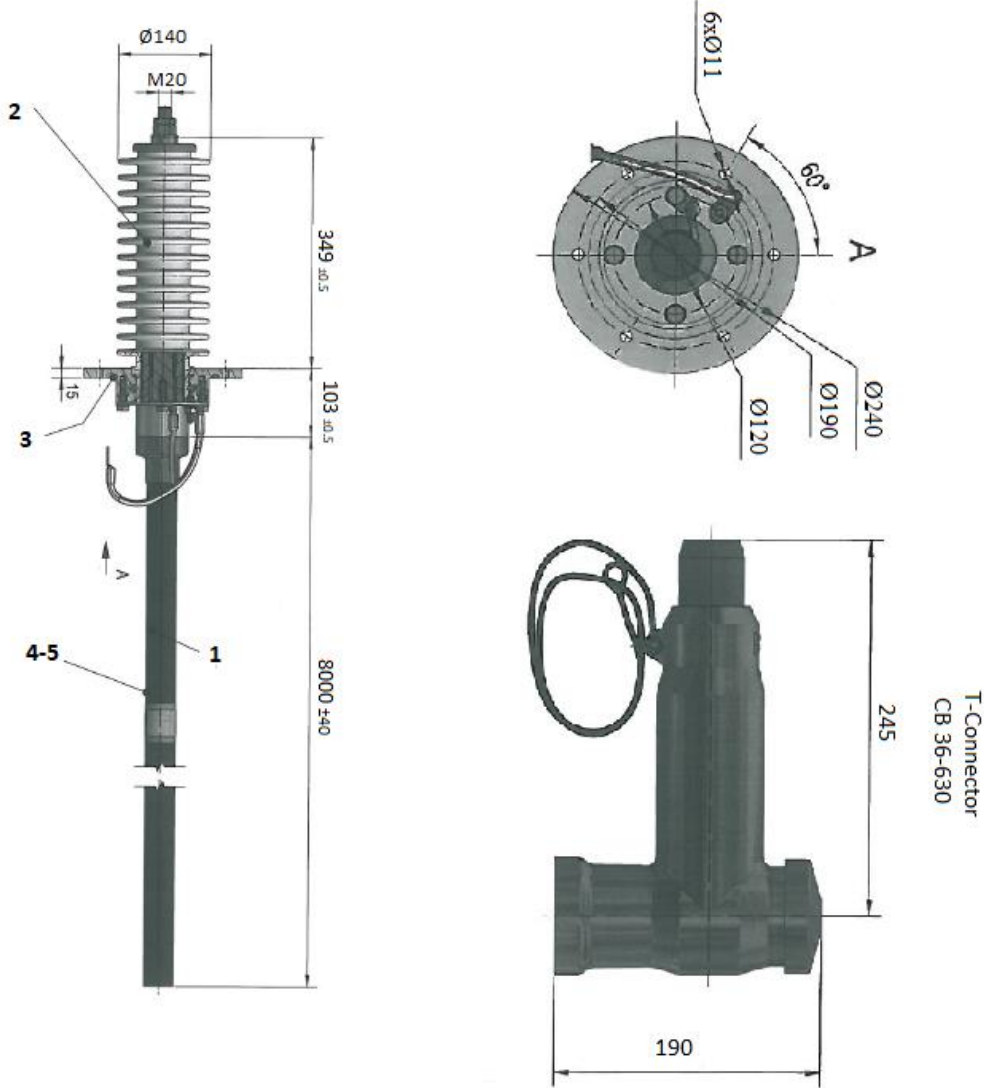


TÜRASAS ESKİŞEHİR REGIONAL DIRECTORATE	TECHNICAL DATA	T.B. 6612			
		REVISION	B	C	D
		DATE	25.01.2022	12.06.2023	03.03.2025
		SIGNATURE			
SUBJECT High Voltage Cable and T-Connector					
REFERENCE E5000 Type National Electric Mainline Locomotive					
<p>1. SUBJECT</p> <p>This Technical Data includes the minimum requirements for the high-voltage cable with insulator and T-connector to be used in the E5000 Type National Electric Mainline Locomotive.</p> <p>2. GENERAL REQUIREMENTS</p> <p>2.1. The high-voltage cable (with insulator) shall comply with EN 45545-2 standard at minimum OC3 (Operating Category 3), HL3 (Hazard Level 3) level and T-connector shall comply at minimum HL2 (Hazard Level 2) level. Bidders shall submit certificate of conformity approved by an accredited organization or NoBo in their bids.</p> <p>2.2. Bidders shall submit the test reports of the insulator, cable and connector in their bids.</p> <p>2.3. Bidders shall submit 3D CAD/step files and the documents containing technical information and dimensions of the cable with insulator and connector in their bids.</p> <p>2.4. Bidders shall submit 3.1 Certificate (according to EN 10204) of the products with the delivery of the product.</p> <p>2.5. The Contractor shall submit the Maintenance, Repair and Installation Manual together with the product.</p> <p>2.6. The Contractor shall submit the document containing numbered list of all parts of the product with exploded pictures.</p> <p>2.7. The works to be carried out by the Contractor within the scope of RAMS are given in ANNEX -1: TŞ.400133 E5000 RAMS Requirements Specification and its relevant annex.</p> <p>3. TECHNICAL SPECIFICATIONS</p> <p>3.1. Protective cover and fixing device shall be included in the T-connector.</p> <p>3.2. The high-voltage cable with insulator and T-connector shall provide the dimensions given in Technical Data. The cable and connector will be compatible with each other as they will be used together by assembling.</p> <p>3.3. All components (mechanical and electrical interfaces) for the manufacture and assembly of the high-voltage cable with insulator and T-connector shall be supplied by the Contractor.</p> <p>4. CONTROL and ACCEPTANCE</p> <p>The high voltage cable and T-Connector will be subjected to the examinations and tests mentioned in this section and will be approved and accepted by TÜRASAS personnel.</p> <p>All parts of the high-voltage cable with insulator and T-connector will be checked for any defects such as broken, cracks, bruises, corrosion etc. Compliance with the measurements given in Technical Data and the required documents at the delivery stage will be checked.</p>					
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<p>5. PACKAGING</p> <p>The Contractor shall deliver the products which shall be packaged in a way that not be affected by the climate and environmental conditions such as rain, wind, snow and not be damaged during unloading and stocking.</p> <p>6. WARRANTY and SPARE PARTS</p> <p>6.1. The Contractor shall provide warranty for 36 (thirty-six) months from the date of delivery for the high voltage cable with insulator and T-connector delivered, 24 (twenty-four) months from the date on which the products are assembled to the locomotive in a complete and trouble-free manner.</p> <p>6.2. The Contractor shall undertake with the bid to provide 10-year service and spare parts supply guarantee, effective from the end of the warranty period.</p> <p>6.3. All parts used specifically for the supplied product/equipment will be delivered to the Administration together with the offer, in a list (product tree) (all spare parts required for 1 locomotive with part numbers and price information).</p> <p>If the Administration determines that the list is insufficient, the Contractor will re-prepare the list in the format requested by the Administration. This process will continue until the final document is obtained.</p> <p>7. ANNEXES</p> <p>ANNEX -1: TŞ.400133 E5000 RAMS Requirements Specification (ANNEX-11)</p>					
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REFERENCE		E5000 Type National Electric Mainline Locomotive			



NO	DESCRIPTION
1	HIGH VOLTAGE CABLE (26/45 kV, 150/16 mm ²)
2	TERMINATION (INSULATOR)
3	FLANGE
4-5	TITLE PLATE – SHRINK TUBE

NOTE: Bending radius, fixed installation = 5 x D

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