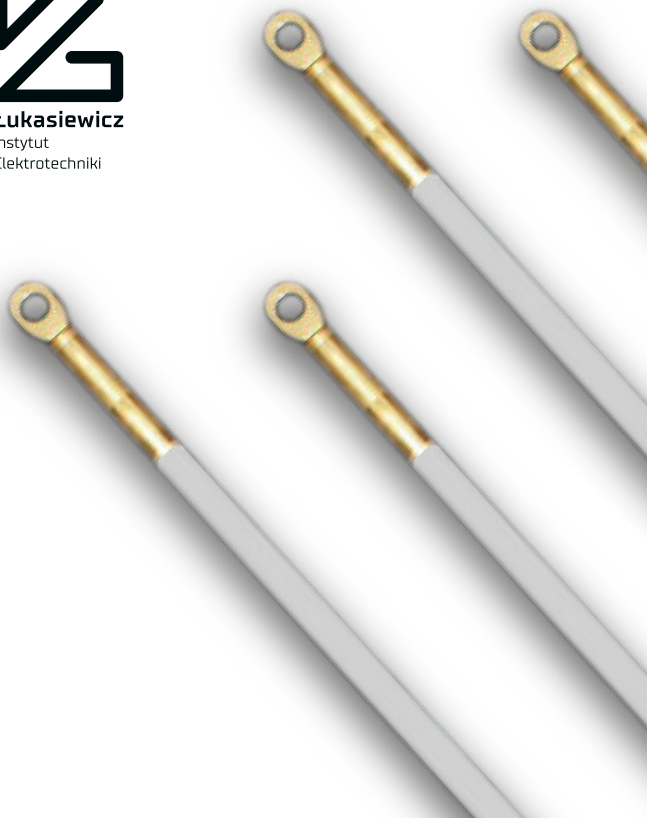




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LTKC linear traction insulator



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LTKC linear traction insulator

The LTKC (7150-1) pull line traction insulator is designed to operate with the rated voltage of 3kV DC of the railway traction network in outdoor conditions. It is used to suspend and isolate contact wires and ropes of the electric overhead line.

Advantages of LTKC line traction insulators:

- very good mechanical and electrical properties;
- the hydrophobic properties of the silicone rubber insulation cover ensure high resistance to dirt and the ability to self-clean;
- lower risk of mechanical damage during transport, assembly and during operation,
- resistance to UV radiation, ozone, moisture;
- insensitivity to shocks and impacts - can be used in seismic zones;
- relatively low weight of the insulator;
- capable of bearing certain torsional loads.

The LTKC traction line insulator consists of a load-bearing core, metal fittings and an insulating cover. The load-bearing core is a glass-epoxy rod, made of ECR glass fiber resistant to stress corrosion cracking, saturated with an epoxy composition. The bar is characterized by a very high mechanical tensile strength and is capable of transmitting specific torsional loads. Metal fittings are attached to the core by clamping. The gray LSR silicone rubber insulation cover is molded on the forged core by injection. The cover tightly covers the glass-epoxy rod between the fittings and effectively protects against aggressive environmental factors.



The insulator is made in accordance with the following standards:
**PN-E-02051, PN-K-92001,
 PN-K-92020, ZN-16 / ITK-2**

Technical parameters

	LTKC-120/840	Unit
Length	880	mm
The outer diameter of the silicone sheath	28	mm
Mounting holes diameter	21	mm
Assembly path	840	mm
Fittings	hot-dip galvanized steel	-
Mass	1,6	kg
Rated voltage	3	kV DC
Withstand voltage alternating with power frequency dry	90	kV
Surge withstand voltage	1,2/50-150	KV
Creep path	582	mm
Rated mechanical tensile strength SML	120	kN