

Product Specification

Product Name	Overhead Line Cover	Supplier Code	
Specification	All Specifications	Customer Code	

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1. Scope

This approval specifies technical requirement, package, storage and specification of overhead line covers.

2. Standards

ASTM-D-638 (GB/T 1040)

Standard test methods for tensile properties of plastics

IEC 60243 (GB/T 1408)

Electrical strength of insulating materials-Test methods

IEC 60093 (GB/T 1410)

Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials

3. Technical requirements

3.1 Product properties

Overhead line cover is made of polyolefin. It is a cold-applied wraparound cover that provides insulation protection for overhead bare conductors and busbar. It can help prevent electrical outages caused by incidental contact from tree branches or wildlife.

Standard color: Red.

3.2 Appearance

The surface of the overhead line cover should be smooth and clean, and free of pinholes or cracks visible to the unaided eye.

3.3 Physical and chemical properties: See Table 1.

3.4 Product specification: See Table 2.

4. Package, Transportation and Storage

4.1 Products can be packed according to customer's requirement.

4.2 These products are non-hazardous. Keep in clean, cool, dry, well-ventilated storage area. During transportation and storage, pay attention to rain and sun and keep away from sources of ignition.

Table 1. Technical Data

Property	Test Method	Standard Value
Tensile Strength	ASTM-D-638	$\geq 8\text{MPa}$
Elongation at Break	ASTM-D-638	$\geq 300\%$
Volume Resistivity	IEC 60093	$\geq 1 \times 10^{14} \Omega \cdot \text{cm}$
Dielectric Strength	IEC 60243	$\geq 25\text{kV/mm}$

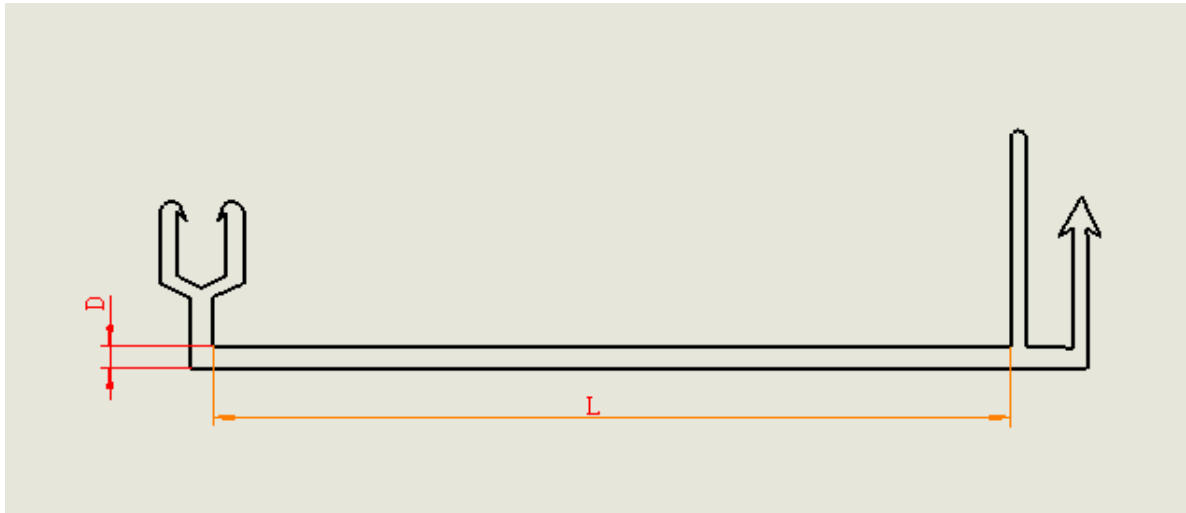


Fig 1: Overhead Line Cover

Table 2. Product Specification

Product No.	Spec.	Conductor Cross Section /mm ²	Max Conductor Diameter/mm	Thickness/mm (D)	Width/mm (L)
Voltage Class: Up to 20kV					
TFKG-1	Φ 14	up to 70	14	1.9±0.2	53±2
TFKG-2	Φ 18	95	18	2.0±0.2	68±2
TFKG-3	Φ 23	120-150	24	2.0±0.2	74±3
TFKG-4	Φ 31	185-240	28	2.1±0.3	85±3
TFKG-5	Φ 38	300-800	38	2.2±0.3	115±3
Voltage Class: 25kV (Sealed with Adhesive)					
TFKG-2*	Φ 18	95	18	2.0±0.2	68±2
TFKG-3*	Φ 23	120-150	24	2.0±0.2	74±3
TFKG-4*	Φ 31	185-240	28	2.1±0.3	85±3
TFKG-5*	Φ 38	300-800	38	2.2±0.3	115±3