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TRANSMISSION CABLE TERMINATIONS

Up to 72.5 kV



**ELSEWEDY
ELECTRIC**

Integrated Energy Solutions

TRANSMISSION CABLE TERMINATIONS

Up to 72.5 kV

69 TCT Termination

Termination for cable systems

Rated up to 72.5 KV.

The 69 TCT Termination provides a termination for cable systems rated up to 72.5 KV class. It conforms to IEC 60840. This terminator is designed for solid dielectric cables with insulation diameters from 37 mm to 84 mm.

Various lugs are available for the conductor connection.

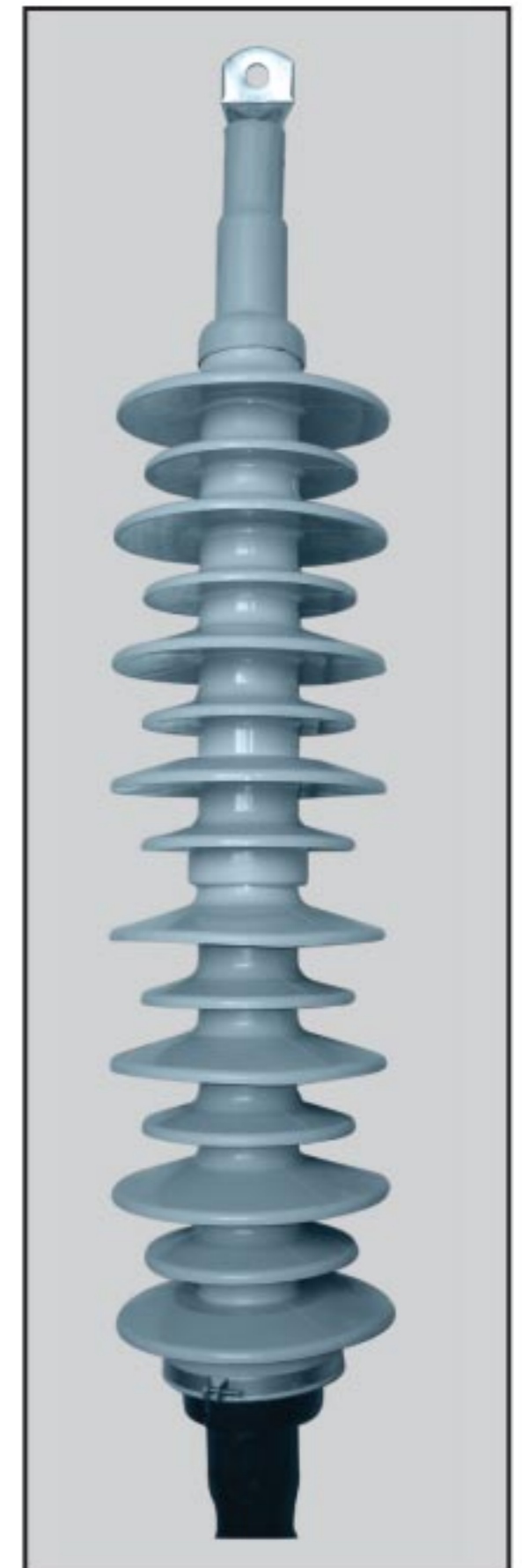
The durable elastomer construction eliminates glaze damage failures associated with porcelain.

A state-of-the-art shed design ensures a non-continuous drip path and the non-tracking polymer requires no surface oil or grease.

Installation

The 69 TCT Termination is lightweight and easy to handle. It can be assembled horizontally on the ground and then raised to the installation position without a crane. Installation can be accomplished without special training using a normal assembly / tension device.

The 69 TCT can utilize standard cable support systems.



Features	Benefits/Descriptions
Molded EPDM Elastomer Housing	Durable under server environmental conditions and does not require a surface oil/grease to maintain non-tracking properties.
State-of-the-Art shed Design	Employs unequal diameters to interrupt the drip path from shed to shed
Housing Slides over Cable Insulation	Provides required creep path and waterseal
Computer –Designed Molded Stress Relief	Ensures proper stress relief for the terminated cable
Polymeric rather than porcelain	Light weight and faster installation with no maintenance work required

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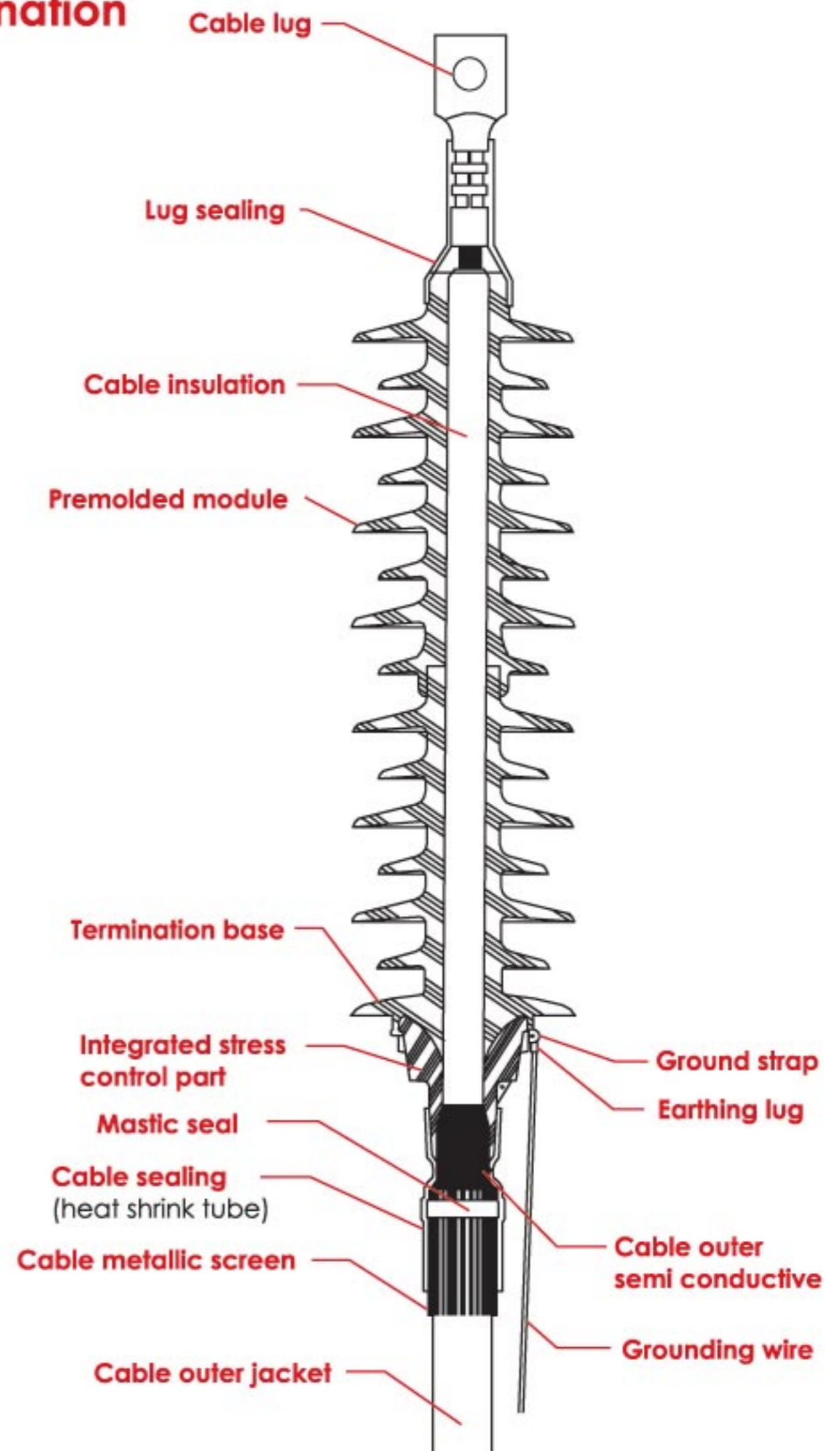
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Electrical Data for 69TCT Transmission Cable Termination

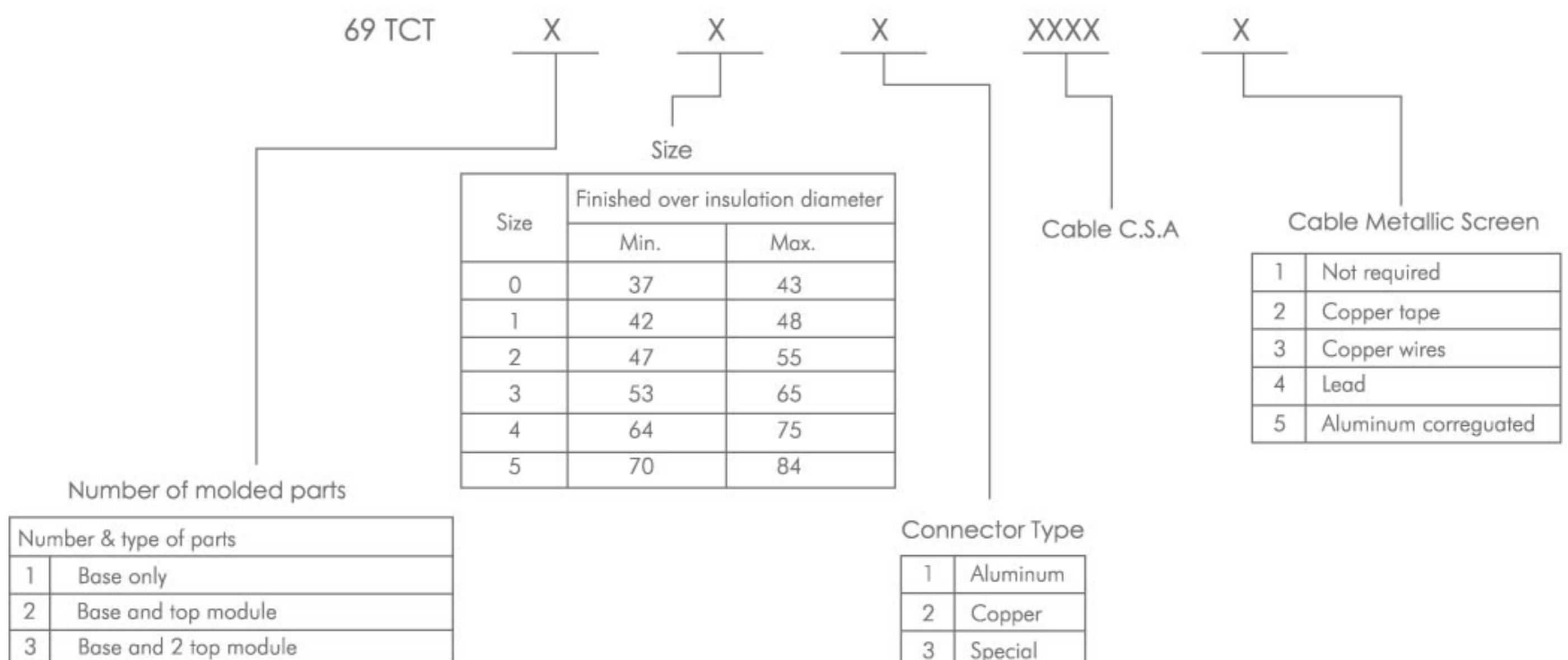
According to IEC 60840:

Technical Data

RATINGS	
Nominal system voltage up to UI (kV)	69
Maximum system voltage Um (kV)	72.5
Maximum continuous conductor temperature	90°C
Type test (IEC 60840)	
Partial discharge test voltage	
- Partial discharge level determined at (kV)	54
- Maximum allowable Partial discharge level (PC)	5
- Conductor temperature	Ambient
Load cycle	
- Test voltage (kV)	72
- No of cycles,each cycle 24 hrs	20
- Heating duration	8 hrs.
- Cooling duration	16 hrs.
- Conductor temperature	(95 °C)
Basic impulse level (10pos., 10Neg., 50 Hz)	
- Impulse voltage (kV)	325
- Conductor temperature	(95 °C)
AC withstand voltage	
- Test voltage (kV) for 15min.	90
- Conductor temperature	Ambient
Routine test	
AC withstand voltage (kV) for 30min.	90
Partial discharge test voltage	
- Partial discharge level determined at (kV)	54
- Maximum allowable Partial discharge level (PC)	5
Other technical data as per (IEEE)	
AC line to ground to withstand (kV)	
- 10 sec. wet	145
- 1 min. dry	175
- 6 hrs. dry	100
- 15 min. dry	120



Ordering Formula



* Extra creepage distances can be achieved by excess modules.

 **ELASTIMOLD EGYPT**
EL SEWEDY - ELASTIMOLD
ELSEWEDY SEDCO

Office:

Plot 27, 1st District, 5th Settlement,
P.O. Box 311, New Cairo, 11835, Egypt
Tel. : (+202) 27 599 750 - 751
Fax: (+202) 27 599 752

Factory:

PC.#36A South (A'1), Industrial Region, 10th of Ramadan City
Tel. : +2 015 411141
Fax: +2 015 411142
E-mail : elastimold@elsewedy.com
: sedco@elsewedy.com

www.elsewedyelectric.com



Cert. No. EG10/2471



Due to continuous product improvements, some specifications could be changed without notice.