



## Heatshrink Indoor/Outdoor Terminations Three Core Polymeric Cables

### Application

#### **SUCOFIT SMST SERIES** 3.8/6.6 (7.2)kV TO 19/33 (36)kV

Heatshrinkable Terminations offer advanced technical superiority for termination of today's medium voltage cables. Utilising state of the art polymer manufacturing technology, Medium Voltage Terminations provide elevated protection against tracking, discharge and dielectric stress.

Terminations exhibit the ability to effectively function under stringent operating conditions and outlast the life of the cable and beyond. They are designed, manufactured and tested according to the requirements of the local and internationally accepted standards of SABS, NRS, CENELEC, VDE, BS, IEC and IEEE. These products not only offer advanced technical solutions, but are designed for user friendly installation methods for the installation technician. The tested and proven heatshrinkable method is secure and environmentally friendly. Medium Voltage Terminations are easily adaptable to cover a broad range of cable sizes.

Quality assurance has always played a major role in the development of Terminations. In the case of Medium Voltage materials, this remains a high priority and is indeed important. The Tank accreditation to the SABS ISO 9001 quality assurance standard, enhances the performance of our materials and the security and integrity of the system.

### Features

- Excellent electrical, thermal and mechanical performance
- Stress control
- Superior anti-tracking capability
- Excellent resistance to UV and weathering
- Unlimited shelf life
- Low inventory



## TANK MEDIUM VOLTAGE SYSTEM UP TO 36kV

INDOOR TERMINATION	
Rating: 12kV STD Tail Length: 450mm	
Part N°:	Range:
STXA 21A32	16 - 35mm <sup>2</sup>
STXA 22A32	50 - 95mm <sup>2</sup>
STXA 23A32	120 - 185mm <sup>2</sup>
STXA 24A32	240 - 300mm <sup>2</sup>
Rating: 24kV STD Tail Length: 650mm	
Part N°:	Range:
STXA 41A34	25 - 50mm <sup>2</sup>
STXA 42A34	70 - 185mm <sup>2</sup>
STXA 43A34	240 - 300mm <sup>2</sup>
Rating: 36kV STD Tail Length: 650mm	
Part N°:	Range:
STXA 51A34	50 - 95mm <sup>2</sup>
STXA 52A34	120 - 185mm <sup>2</sup>
STXA 53A34	240 - 300mm <sup>2</sup>

OUTDOOR TERMINATION	
Rating: 12kV STD Tail Length: 650mm	
Part N°:	Range:
STXB 21A34	16 - 35mm <sup>2</sup>
STXB 22A34	50 - 95mm <sup>2</sup>
STXB 23A34	120 - 185mm <sup>2</sup>
STXB 24A34	240 - 300mm <sup>2</sup>
Rating: 24kV STD Tail Length: 800mm	
Part N°:	Range:
STXB 41R35	25 - 50mm <sup>2</sup>
STXB 42R35	70 - 185mm <sup>2</sup>
STXB 43R35	240 - 300mm <sup>2</sup>
Rating: 36kV STD Tail Length: 800mm	
Part N°:	Range:
STXB 51R35	50 - 95mm <sup>2</sup>
STXB 52R35	120 - 185mm <sup>2</sup>
STXB 53R35	240 - 300mm <sup>2</sup>

NOTE: Non-Standard Tail Lengths available on request

### Minimum Performance for TANK Polymeric Terminations

TEST SEQUENCE		HIGHEST VOLTAGE FOR EQUIPMENT U <sub>m</sub> (kV)			RESULTS
		12	24	36	
		TEST VOLTAGE (kV)			
AC Voltage withstand	1 min	25.5	51	76	No flashover or breakdown
Partial Discharge	1 min	11	22	33	< 1 pc
Impulse Voltage withstand	10 positive impulses 10 negative impulses	95	125	195	No flashover or breakdown
DC Voltage withstand	15 mins	38	76	114	No flashover or breakdown
Humidity Chamber	Conductivity: 80ms/m, 100h Spray Rate: 0.4l/m <sup>3</sup> /h	8	16	24	No flashover or breakdown creepage tracks or erosion
Salt-Fog (Outdoor)	224 kg per m <sup>3</sup>	8	16	24	No flashover

**NOTES:** 1. U<sub>m</sub> is the maximum phase to phase Voltage. 2. Test Voltages are stated as phase to ground values.

SUCOFIT is a Trademark

Tank is supportive of the **KIPTS** (Koeberg Insulator Pollution Test Station) program, and was the first manufacturing company to pass all criteria of the simulation programme.