



## **Heatshrink** **Indoor/Outdoor Terminations** **Single 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

<b>INDOOR TERMINATION</b>	
<b>Rating: 12kV</b> STD Tail Length: 370mm	
Part N°:	Range:
STXA 21R11	16 - 25mm <sup>2</sup>
STXA 22R11	35 - 70mm <sup>2</sup>
STXA 23A11	95 - 150mm <sup>2</sup>
STXA 24A11	185 - 300mm <sup>2</sup>
STXA 25A11	400 - 800mm <sup>2</sup>
<b>Rating: 24kV</b> STD Tail Length: 450mm	
Part N°:	Range:
STXA 41R12	25 - 50mm <sup>2</sup>
STXA 42R12	70 - 185mm <sup>2</sup>
STXA 43R12	240 - 300mm <sup>2</sup>
STXA 44R12	400 - 630mm <sup>2</sup>
<b>Rating: 36kV</b> STD Tail Length: 520mm	
Part N°:	Range:
STXA 51A13	50 - 95mm <sup>2</sup>
STXA 52A13	120 - 185mm <sup>2</sup>
STXA 53A13	240 - 500mm <sup>2</sup>
STXA 54A13	630 - 1000mm <sup>2</sup>

<b>OUTDOOR TERMINATION</b>	
<b>Rating: 12kV</b> STD Tail Length: 450mm	
Part N°:	Range:
STXB 21R12	16 - 25mm <sup>2</sup>
STXB 22R12	35 - 70mm <sup>2</sup>
STXB 23R12	95 - 150mm <sup>2</sup>
STXB 24R12	185 - 300mm <sup>2</sup>
STXB 25A12	400 - 800mm <sup>2</sup>
<b>Rating: 24kV</b> STD Tail Length: 520mm	
Part N°:	Range:
STXB 41R13	25 - 50mm <sup>2</sup>
STXB 42R13	70 - 185mm <sup>2</sup>
STXB 43R13	240 - 300mm <sup>2</sup>
STXB 44R13	400 - 630mm <sup>2</sup>
<b>Rating: 36kV</b> STD Tail Length: 720mm	
Part N°:	Range:
STXA 51A14	50 - 95mm <sup>2</sup>
STXA 52A14	120 - 185mm <sup>2</sup>
STXA 53A14	240 - 500mm <sup>2</sup>
STXA 54A14	630 - 1000mm <sup>2</sup>

NOTE: Non-Standard Tail Lengths available on request

### Minimum Performance for TANK Polymeric Terminations

TEST SEQUENCE		HIGHEST VOLTAGE FOR EQUIPMENT Um (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. Um is the maximum phase to phase Voltage. 2. Test Voltages are stated as phase to ground values.

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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.