



## Heatshrink

### Indoor/Outdoor Terminations

### Single Core Paper Lead 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: 370mm	
Part N°:	Range:
STPA 21A11	150 - 240mm <sup>2</sup>
STPA 22A11	300 - 500mm <sup>2</sup>
STPA 23A11	630 - 800mm <sup>2</sup>
Rating: 24kV STD Tail Length: 450mm	
Part N°:	Range:
STPA 41A12	150 - 240mm <sup>2</sup>
STPA 42A12	300 - 630mm <sup>2</sup>
STPA 43A12	800 - 1 000mm <sup>2</sup>
Rating: 36kV STD Tail Length: 520mm	
Part N°:	Range:
STPA 51A13	150 - 240mm <sup>2</sup>
STPA 52A13	300 - 500mm <sup>2</sup>
STPA 53A13	630 - 1 000mm <sup>2</sup>

OUTDOOR TERMINATION	
Rating: 12kV STD Tail Length: 450mm	
Part N°:	Range:
STPB 21A12	150 - 240mm <sup>2</sup>
STPB 22A12	300 - 500mm <sup>2</sup>
STPB 23A12	630 - 800mm <sup>2</sup>
STPB 24A12	1 000mm <sup>2</sup>
Rating: 24kV STD Tail Length: 520mm	
Part N°:	Range:
STPB 41R13	150 - 240mm <sup>2</sup>
STPB 42R13	300 - 630mm <sup>2</sup>
STPB 43R13	800 - 1 000mm <sup>2</sup>
Rating: 36kV STD Tail Length: 720mm	
Part N°:	Range:
STPB 51R14	150 - 240mm <sup>2</sup>
STPB 52R14	300 - 500mm <sup>2</sup>
STPB 53R14	800 - 1 000mm <sup>2</sup>

NOTE: Non-Standard Tail Lengths available on request

### Minimum Performance for TANK PILC Terminations

TEST SEQUENCE		HIGHEST VOLTAGE FOR EQUIPMENT Um (kV)			RESULTS
		12	24	36	
AC Voltage withstand	1 min	25.5	51	76	No flashover or breakdown
Impulse Voltage withstand	10 positive impulses 10 negative impulses	95	125	194	No flashover or breakdown
DC Voltage withstand	15 mins	38	76	114	No flashover or breakdown
Humidity Chamber (Indoor)	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.