



Heatshrink Indoor/Outdoor Terminations Single Core Polymeric Cables

Application

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

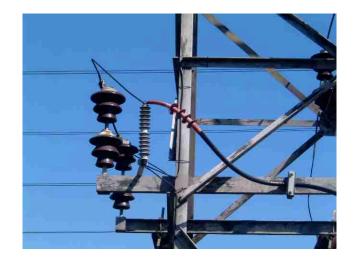
Heatshrinkable Terminations offer advanced technical superiority for termination of today's medium voltage cables. Utilising state of the art polymer manufacturing technology, Medium Voltage Terminations provide elevated protection against tracking, discharge and dielectric stress.

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

INDOOR TERMINATION					
Rating: 12kV STD Tail Length: 370mm					
Part N°:	Range:				
STXA 21R11	16 - 25mm²				
STXA 22R11	35 - 70mm²				
STXA 23A11	95 - 150mm²				
STXA 24A11	185 - 300mm²				
STXA 25A11	400 - 800mm²				
Rating: 24kV STD Tail Length: 450mm					
Part N°:	Range:				
STXA 41R12	25 - 50mm²				
STXA 42R12	70 - 185mm²				
	240 - 300mm²				
STXA 43R12	240 - 300mm²				
STXA 43R12 STXA 44R12	240 - 300mm² 400 - 630mm²				
STXA 44R12					
STXA 44R12	400 - 630mm²				
STXA 44R12 Rating STD Tail Ler	400 - 630mm² 2: 36kV ngth: 520mm				
STXA 44R12 Rating STD Tail Ler Part N°:	400 - 630mm² 1: 36kV 1: 520mm Range:				
STXA 44R12 Rating STD Tail Ler Part N°: STXA 51A13	400 - 630mm ² 1: 36kV 1: 520mm Range: 50 - 95mm ²				

OUTDOOR TERMINATION						
Rating: 12kV STD Tail Length: 450mm						
Part N°:	Range:					
STXB 21R12	16 - 25mm²					
STXB 22R12	35 - 70mm²					
STXB 23R12	95 - 150mm²					
STXB 24R12	185 - 300mm²					
STXB 25A12	400 - 800mm²					
Rating: 24kV STD Tail Length: 520mm						
Part N°:	Range:					
STXB 41R13	25 - 50mm²					
STXB 42R13	70 - 185mm²					
STXB 43R13	240 - 300mm²					
STXB 44R13	400 - 630mm²					
Rating: 36kV STD Tail Length: 720mm						
Part N°:	Range:					
STXA 51A14	50 - 95mm²					
STXA 52A14	120 - 185mm²					
STXA 53A14	240 - 500mm²					
STXA 54A14	4 630 - 1000mm²					

NOTE: Non-Standard Tail Lengths available on request

Minimum Performance for TANK Polymeric Terminations

TEST SEQUENCE		HIGHEST VOLTAGE FOR EQUIPMENT Um (kV) 12 24 36 TEST VOLTAGE (kV)			RESULTS	
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/m³/h	8	16	24	No flashover or breakdown creepage tracks or erosion	
Salt-Fog (Outdoor)	224 kg per m³	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.