



Heatshrink - Joints

Single Core and Three Core Polymeric Cables

Application

SUCOFIT SMSJ SERIES
3.6/6 (7.2)kV TO 19/33 (36)kV

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

Joints exhibit the ability to effectively function under stringent operating conditions. 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 Joints are easily adaptable to cover a broad range of cable sizes.

Quality assurance has always played a major role in the development of Joints. 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 quality of our materials and the security and integrity of the system.

Features

- Excellent electrical, thermal and mechanical performance
- Stress control
- Superior sealing capability
- Impact resistant
- Unlimited shelf life
- Low inventory



TANK MEDIUM VOLTAGE SYSTEM UP TO 36kV

JOINT 1 CORE	
Rating: 12kV	
Part N°:	Range:
SJXU 21A10	16 - 35mm ²
SJXU 22A10	50 - 70mm ²
SJXU 22R10	95 - 150mm ²
SJXU 23R10	185 - 300mm ²
SJXU 24R10	400 - 630mm ²
SJXU 25A10	800 - 1000mm ²
Rating: 24kV	
Part N°:	Range:
SJXU 41A10	25 - 50mm ²
SJXU 42R10	95 - 240mm ²
SJXU 43A10	120 - 300mm ²
SJXU 44A10	300 - 630mm ²
Rating: 36kV	
Part N°:	Range:
SJXU 51A10	50 - 120mm ²
SJXU 52A10	120 - 240mm ²
SJXU 53A10	300 - 630mm ²

JOINT 3 CORE	
Rating: 12kV	
Part N°:	Range:
SJXA 21A31	16 - 35mm ²
SJXA 22A31	50 - 95mm ²
SJXA 23A31	120 - 185mm ²
SJXA 24A31	240 - 300mm ²
Rating: 24kV	
Part N°:	Range:
SJXA 41A31	25 - 70mm ²
SJXA 42A31	95 - 150mm ²
SJXA 43A31	185 - 240mm ²
Rating: 36kV	
Part N°:	Range:
SJXA 51A31	50 - 70mm ²
SJXA 52A31	95 - 150mm ²
SJXA 53A31	185 - 240mm ²

Minimum Performance for TANK Polymeric Joints

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
Impact Test	Before: 5 x 10 ⁵ MΩ After: 9 x 10 ⁵ MΩ	-	-	-	Complied
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
Thermal Cycles Under Water	60 cycles	9.5	32	47.5	No flashover or breakdown
NOTES: 1. Um is the maximum phase to phase Voltage. 2. Test Voltages are stated as phase to ground values.					

SUCOFIT is a Trademark