



Heatshrink - Joints

Single Core and Three Core Paper Lead Cables

Application

SUCOFIT SMSJ SERIES
3.8/6.6 (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: |
| SJPU 21R10 | 150 - 185mm ² |
| SJPU 22R10 | 240 - 400mm ² |
| SJPU 23R10 | 500 - 630mm ² |
| SJPU 24A10 | 800 - 1000mm ² |
| Rating: 24kV | |
| Part N°: | Range: |
| SJPU 41B10 | 150 - 300mm ² |
| SJPU 42B10 | 400 - 630mm ² |
| SJPU 43B10 | 800 - 1000mm ² |
| Rating: 36kV | |
| Part N°: | Range: |
| SJPU 51A10 | 150 - 240mm ² |
| SJPU 52A10 | 300 - 630mm ² |
| SJPU 53A10 | 800 - 1000mm ² |

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

Minimum Performance for TANK PILC 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 |
| 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 | 19 | 28.5 | No flashover or breakdown |

NOTES: 1. Um is the maximum phase to phase Voltage. 2. Test Voltages are stated as phase to ground values.

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