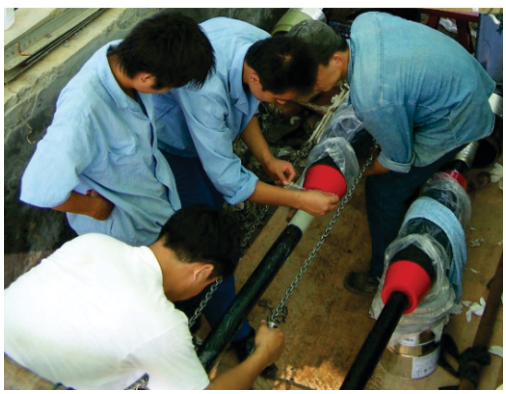
nkt cables

JOINTMASTER

ISO 9001

NKT High Voltage Accessories up to 250kV



Setting the Standards in Cable Jointing

Jointmaster (Pty) Ltd. PO Box 123898 Alrode 1451. South Africa Ph +27(0)11 9085403 Fax +27(0)11 8645610. e-mail; info@jointmaster.co.za

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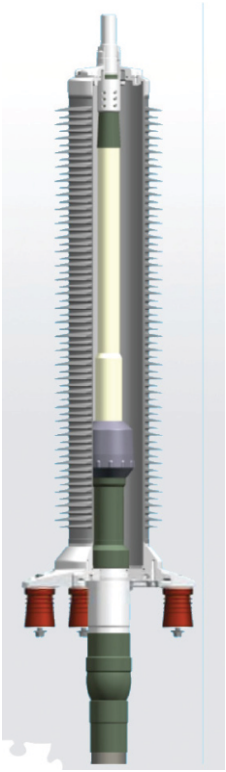

Composite termination

Design:

- premolded stresscontrolbodymadeofsiliconerubber
- compositeinsulatorwithinsulatingfluid
- includingconnectionboltforAlorCuconductor
- stresscontrolbodyroutinetested
- terminationtypetestedinaccordancetoIEC60840

Properties:

- excellent hydrophobical properties
- high mechanical strength
- low weight
- selfsupportingdesign

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
72,5	325	2500mm²	34,5 - 97,0mm
145	650	2500mm²	34,5 -108,0mm
170	750	2500mm²	34,5 -108,0mm
245	1050	2500mm²	64,0 -120,0mm
300	1050	2500mm²	64,0 -120,0mm
420	1425	2500mm²	87,0 - 120,0mm
550	1550	3200mm²	97,0 - 140,0mm

Porcelain termination

Design:

- premolded stresscontrolbodymadeofsiliconerubber
- porcelaininsulatorwithinsulatingfluid
- includingconnectionboltforAlorCuconductor
- stresscontrolbodyroutinetested
- terminationtypetestedinaccordancetoIEC60840

Properties:

- high chemical resistance
- high resistance against surface leakage
- high mechanical strength
- selfsupporting

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
72,5	325	2500mm²	34,5 - 97,0mm
145	650	2500mm²	34,5 - 108,0mm
170	750	2500mm²	34,5 - 108,0mm
245	1050	2500mm²	…120mm
300	1050	2500mm²	…120mm
420	1425	2500mm²	…120mm

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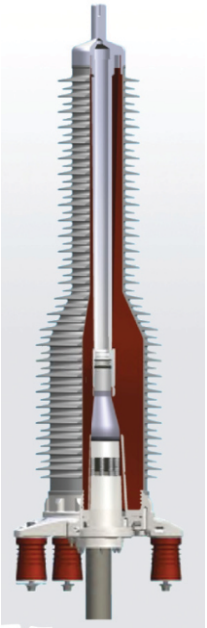


Drytype termination

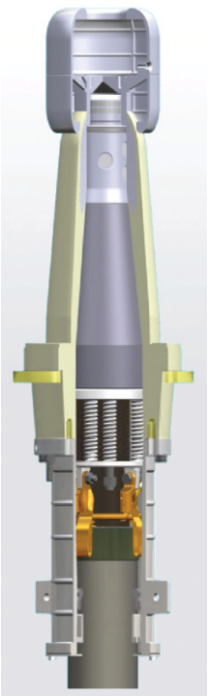
Design:

- premolded stresscontrolbodymadeofsiliconerubber
- compositeinsulatoraccordingtopollutionlevelIV
- includingconnectionboltforAlorCuconductor
- stresscontrolbodyroutinetested
- terminationtypetestedinaccordancetoIEC60840

Properties:

- excellent hydrophobic properties
- high mechanical strength
- low weight
- noinsulatingfluidnecessary

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
145	650	1200mm²	34,5 - 74,0mm
123	550	2500mm²	47,0 - 97,0mm



GIS/Transformer termination,drytype

Design:

- premolded stresscontrolbodymadeofsiliconerubber
- dimensions according to IEC62271 209
- includingconnectionboltforAlorCuconductor
- stresscontrolbodyroutinetested
- terminationtypetestedinaccordancetoIEC60840

Properties:

- installation in any position possible
- pre installation of insulator possible
- available for asset inlets with dimensions of fluid filled terminations
- with corona shield for transformer application

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
72,5	325	1000mm²	38,5 – 74,0mm
145	650	2500mm²	38,0 – 97,0mm
170	750	2500mm²	38,0 – 97,0 mm
245	1050	2000mm²	38,0 – 97,0mm
300	1050	3200mm²	81,0 – 140,0mm
550	1550	3200mm²	81,0 – 140,0mm

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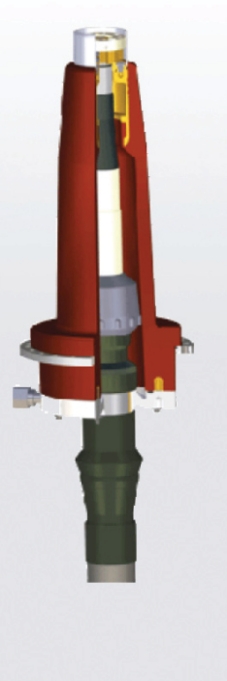
GIS/Transformer termination,fluid filled



Design:

- premolded stresscontrolbodymadeofsiliconerubber
- dimensions according to IEC62271 - 209
- includingconnectionboltforAlorCuconductor
- stresscontrolbodyroutinetested
- terminationtypetestedinaccordancetoIEC60840

Properties:

- expansion vessel for horizontal installation available
- excellent reliability for many decades
- with corona shield for transformer application

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
72,5	325	1200mm²	40,0 – 73,0mm
145	650	2500mm²	…108mm
170	750	2500mm²	…108mm
245	1050	2500mm²	…120mm
300	1050	2500mm²	…120mm
420	1425	2500mm²	…120mm

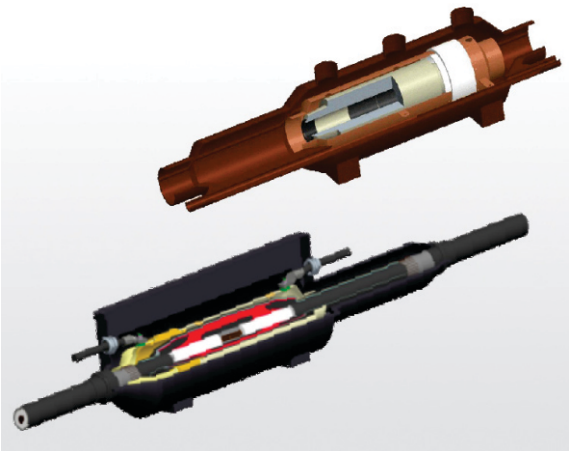
One piece slip on joint

Design:

- premolded stresscontrolbodymadeofsiliconerubber
- straight through or cross bonding type available
- includingconnectorforAlorCuconductor
- jointbodyroutinetested
- jointtypetestedinaccordancetoIEC60840

Properties:

- cable connection with crimping - or screwing connectors
- different coverings available
- quick and easy to install



Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Øoverpeeled insulation
72,5	325	1000mm²	40 – 65mm
145	650	1600mm²	42 -120mm
170	750	2500mm²	50 -120mm
245	1050	2500mm²	56 -120 mm

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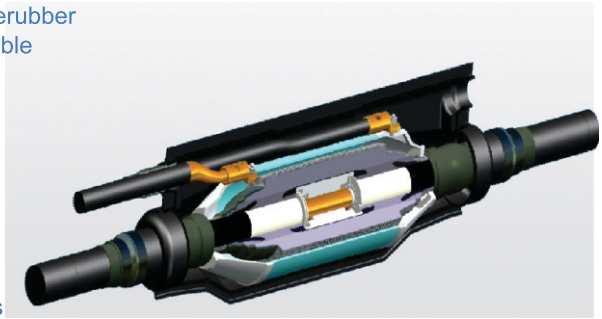
Three piece slip on joint

Design:

- premolded stresscontrolbodiesmadeofsiliconerubber
- straight through or cross bonding type available
- includingconnectorforAlorCuconductor
- jointbodyroutinetested
- jointtypetestedinaccordancetoIEC60840

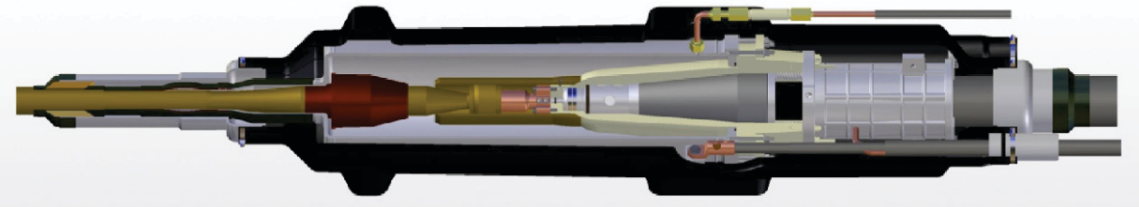


Properties:

- very compact design
- different coverings available
- quick and easy to install
- possibility to connect different cross-sections

Operation voltage Um(kV)	lightning impulse voltage (kV)	max. cross section	Ø over peeled insulation
72,5	325	1600mm²	….79mm
145	650	2500mm²	…101mm
170	750	2500mm²	…101mm
245	1050	2500mm²	….108 mm
300	1050	2500mm²	….108 mm
420	1425	2500mm²	….122 mm
550	1550	3200mm²	….140 mm

Transition joint oil filled cable to XLPE cable



Design:

- XLPE- side using GIS- termination technology
- oil side with epoxy resin stress cone and/or paper wrapping
- includingcorrosionprotection
- optionaloilpipingavailable
- optionalexpansionvesselavailable
- optionalpressuremonitoringavailable

Properties:

- solutions up to 300kV available
- covering cross sections up to 1600mm²
- for systems with max. static pressure of 6,5bar

Setting the Standards in Cable Jointing

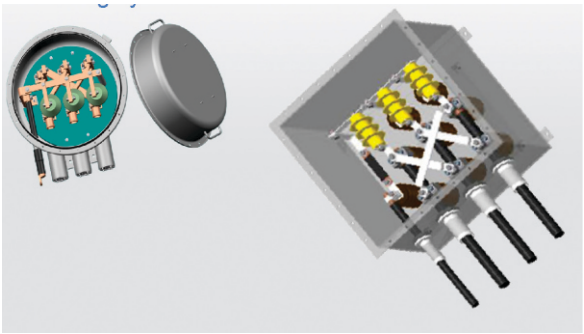
Earthing and cross bonding boxes

Design:

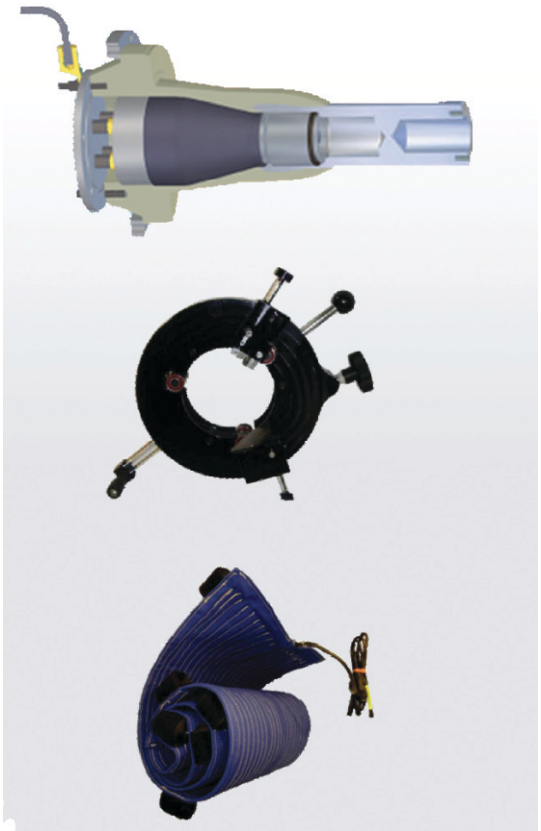
- boxes with removable links
- boxes with SVL for protection against induced voltages
- boxes for cross bonding systems

Properties:

- different protection classes available
- different housings available
- available for overground or underground applications
- SVL up to 10kV available



Special accessories & tools



Deadendplug

- for GIS/ transformer terminations up to 170kV

Peelingtool

- for peeling of semiconductive layer and insulation stripping

Heatingsleeve

- for upheating of cablesinorder of straightening

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