AMPLETEK Unscreened Silicone T-shaped Bushing Boots

12kV 630A Unscreened T-shaped Bushing boot

ALJQ-12/630/□

Decription

These are insulated T-shapeD (Right angled) pre-molded unscreened silicone bushing boots suitable for use on 12kV Type"C" 630A bushings. It has a very compact gas-insulated secondary switchgear where the spacing between bushings is significantly reduced. The pre-molded shape ensures optimal/full contact over the the entire Type "C" bushing profile thus improving its ability to eliminate unwanted leakage currents.

Features

. Quick and easy to install
. Easy to remove and re-install
. No specialized tools required
. Compact profile provides for greater air clearance
. In accordance with requirements of NRS012 /NRS053
. Not tracking elastomeric housing offers excellent erosion resistance, dielectric properties and environ -mental resistance.
. No slip/slide off the Type "C" bushings once installed.
. Suitable to be used with all indoor terminations
. Accommodates bulky torque shear lugs.

Application (12kV only)

. Compact Sf6 gas-insulated secondary switchgear (RMU's and Type B mini-substations)
. Metal box filled with air
. Distribution transformers
. CT-VT metering Units

Technical Data

Properties	Test Methods	Typical Values
Breakdown Strength	IEC 243	⩾20kV/mm
Broken Extension Rate	ASTM D 2671	⩾300%
Tensile Strength	ASTM D 2671	⩾6 MPa
Volume Conduct Rate	IEC 93	$\geqslant 10^{14}\ \Omega . m$
Maximum System Voltage		17.5kV

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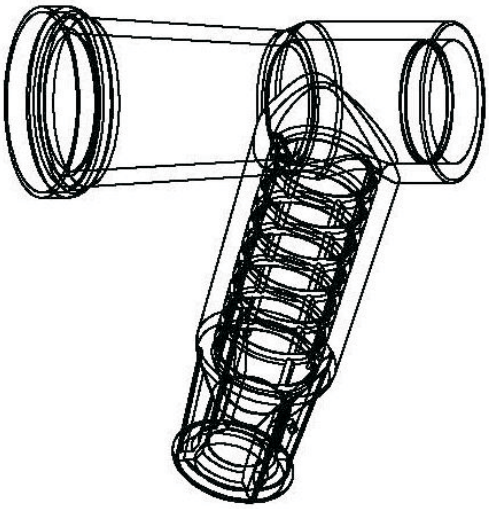
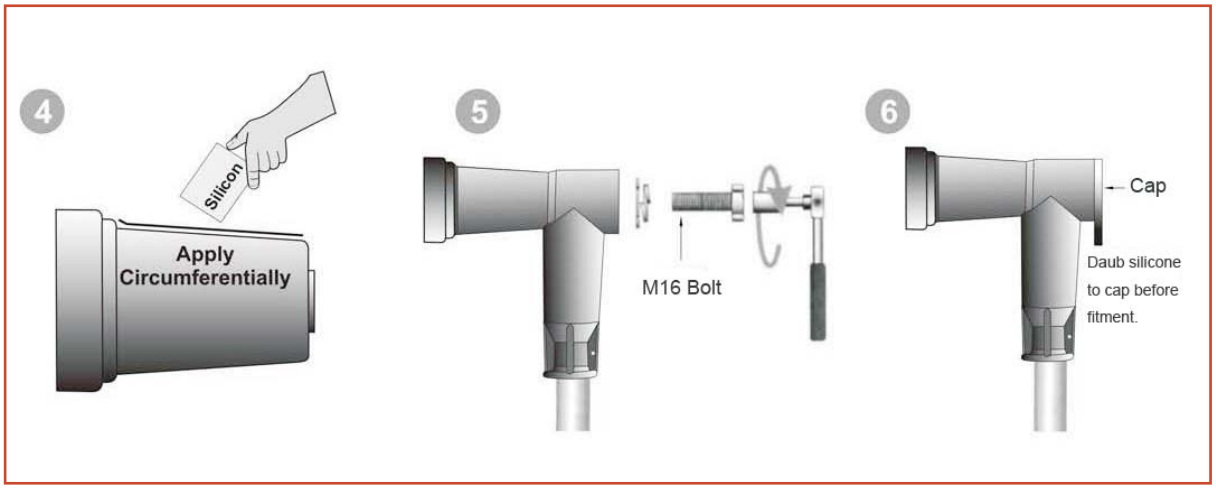
Dimension and accessories

All dimensions in mm



Installation Diagram



Test Record

AMPLETEK
AMPLE Technology (Shenzhen) Co., LTD.

D building, Henggangxia Industrial Zone, Xinqiao Village, Shajing town, Shenzhen City, China
Tel: (86)755-27286968 Fax: (86)755-27286928
www.ampleasia.com

Test Record

Ref:: AP2014TR1031001
Date of Test:2014-10-31

1.Manufacturer: AMPLE Technology (Shenzhen) Co., LTD.

2.Description of Samples:12kV Un-screened seperable connector boot

3.Quantity of Samples: 3pcs

4.Type of Samples: ALJQ-12/630

5.Test methods (Please see figure 1):

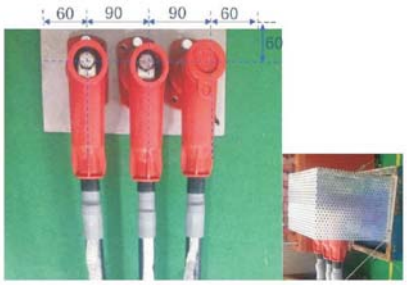


Figure 1

AMPLETEK
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6.Test Sequence and Results

Test sequence	Items	Requirements	Test methods of IEC 61442	Results	Remarks
1	AC withstand voltage test	No breakdown or no flashover shall occur at 39kV for 5 min	Clause 4	No breakdown or no flashover occurred on the combination samples at 39kV for 5 min	PASS
2	Partial discharge test	The magnitude of the discharge at 15kV shall not exceed 10pC	Clause 7	The magnitude of the discharge of the combination samples didn't exceed 3pC at 15kV	PASS
3	Impulse withstand voltage test	No breakdown shal occur at 10 positive and 10 negative impulses of 95kV	Clause 6	No breakdown occurred on the combination samples at 10 positive and 10 negative impulses of 95kV(See Annex A)	PASS

Annex A: (Unit kV)

Positive polarity	95.2	95.6	95.5	96.0	95.7	95.6	95.8	95.9	96.0	95.5
Negative polarity	95.7	95.6	95.8	95.9	96.0	95.5	96.5	95.9	95.8	96.2

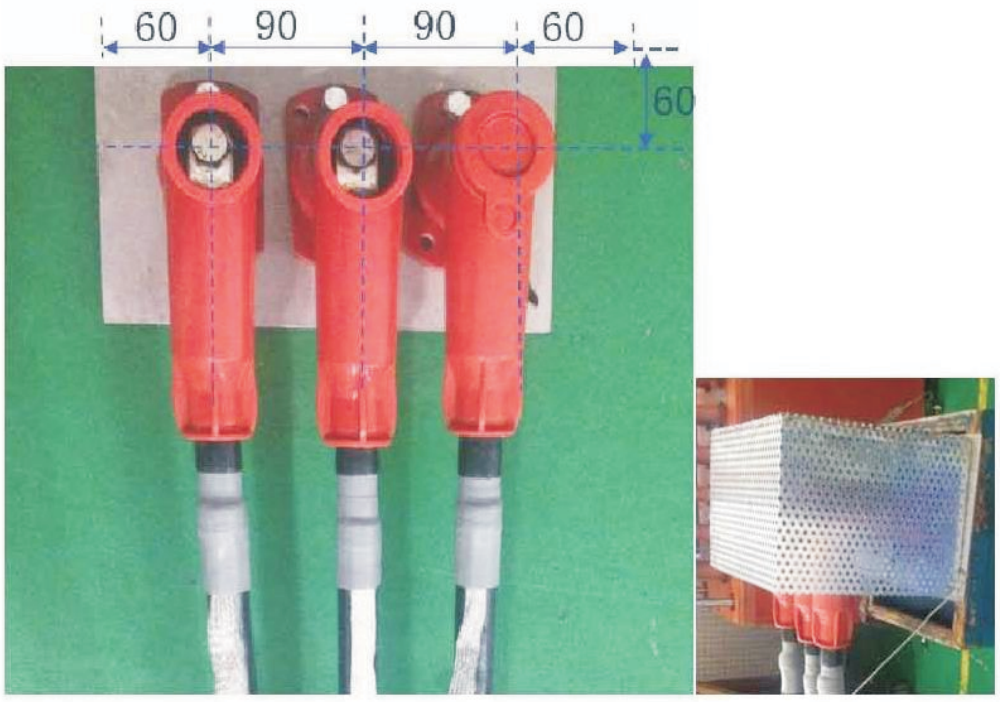

Figure 1