Flexible Un-screened Silicone Bushing Boot

CSB1

Description

These are pre-molded un-screened silicone insulating bushing boots to be used on switchgear and transformer connections up to 17.5 kV. Its main function is to protect, insulate and seal, thus improving the Phase-to-Phase and Phase-to-Ground insulation. It further protects against flashover where air clearances are insufficient.

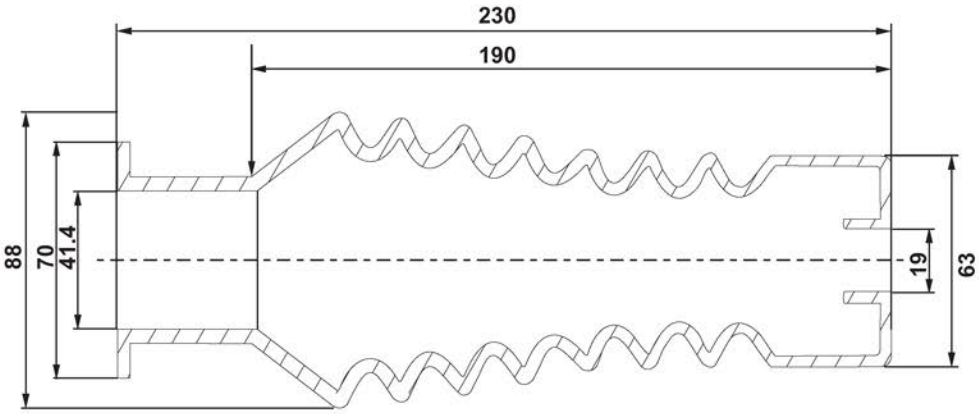
Features

- Simple and easy to install
- Unique bushing adaptor/connection provides superior moisture ingress protection
- Outstanding resistance to weathering and tracking
- Extended shelf life
- Meets IEC60502-4 and GB12706.4-2002 standards
- Easy to remove and re-install
- No specialised tools required
- Immediate energizing after installation

Technical Data

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

Dimensions



NOTE: All dimensions in mm

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AIRSHRINK a new dimension

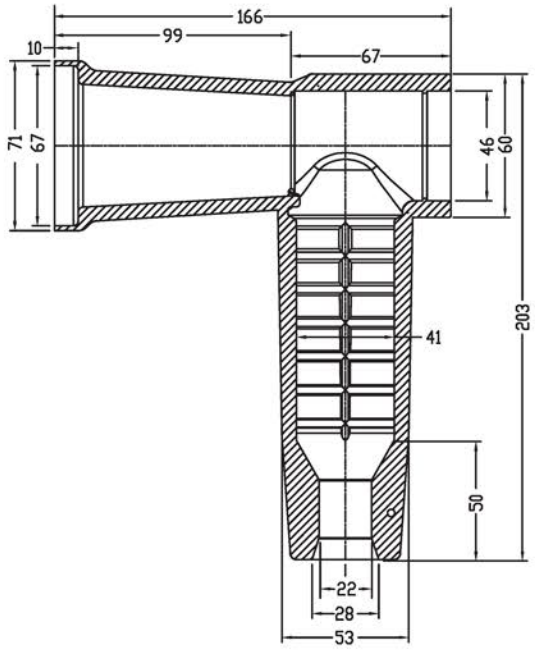
Flexible Un-screened Silicone T-Shaped Bushing Boots

AUSCC

Technical Data

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

Dimensions



NOTE: All dimensions in mm

Description

These are insulated T-shaped (right angled) pre-molded un-screened silicone bushing boots suitable for use on 12kV Type “C” 630A bushings. It has a very compact profile making it suitable for use in compact gas-insulated secondary switchgear where the spacing between bushings is significantly reduced. The pre-molded shape ensures optimal/full contact over 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 clearances (P-P & P-E)
- In accordance with requirements of NRS012 / NRS053
- Non tracking elastomeric housing offers excellent erosion resistance, dielectric properties and environmental resistance
- No slip/slide off the Type “C” bushings once installed
- Suitable to be used with all indoor terminations
- Accommodates bulky torque shear lugs

Applications (12 kV only)

- Compact SF6 gas-insulated secondary switchgear (RMU’s and Type B mini-substations)
- Metal box filled with air
- Distribution tranformers
- CT - VT metering units

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Anti-Tracking Right Angle and Straight Boots (Heat shrinkable)

AHMR & AHMS

Description

AHMR right angled and **AHMS** straight anti-tracking heat shrinkable bushing boots are used for insulating bushings on switchgear and transformers. Its function is to protect, insulate and seal. It further protects against flash over where air clearances are insufficient.

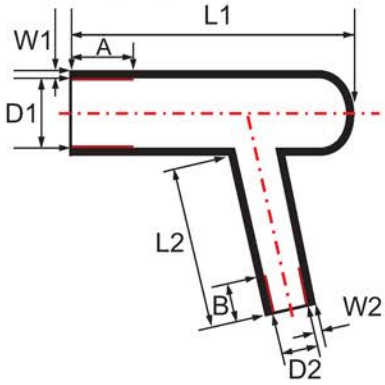
Features

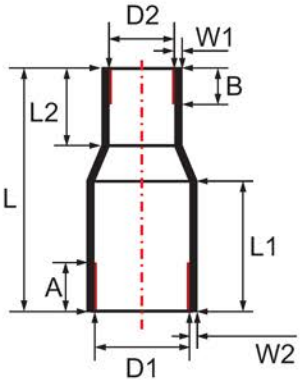
- UV resistant
- Resistance to harsh weather and environmental conditions
- Red mastic inner lining offers reliable protection against moisture ingress
- Anti-tracking properties
- Minimum recovery temperature 110° C

Technical Data

Properties	Test Methods	Typical Values
Tensile Strength (MPa)	ASTM D 2671	⩾ 12
Tensile Strength after Thermal Aging (Mpa)	ASTM D 2671/120°C, 168 hrs	⩾ 8.5
Ultimate Elongation (%)	ASTM D 2671	⩾ 300
Ultimate Elongation after Thermal Aging (%)	ASTM D 2671/120°C, 168 hrs	⩾ 200
Dielectric Strength (kV/mm)	IEC 243	⩾ 15
Volume Resistance (Ω.m)	IEC93	⩾ 10^{14}
Tracking Resistance	ASTM D 2303/3.75 kV, 1 hr	Pass
Water Absorption (%)	ISO 62	⩽ 1
Flammabillity (oxygen index)	ISO 4589	⩾ 25
Copper Corrosion	ASTM D 2671/120°C, 168 hrs	No Corrosion
Cold Bend	ASTM D 2671/-40°C, 4 hrs	No Cracking

Dimensions





Anti-track red mastic
A-50mm / B-25mm

Product		As supplied (mm)		After recovery (mm)						
		D1 (Min.)	D2 (Min.)	D1 (Max.)	D2 (Max.)	L1 (Nom.)	L2 (±10%)	L (±10%)	W1 (±10%)	W2 (±10%)
Right Angle	AHMR80/36	80	35	36	18	170	125		4.2	3.5
	AHMR80/50	80	50	36	18	170	125		3.8	3.5
	AHMR80/50A	80	50	36	27	160	140		3.8	3.5
	AHMR95/70	95	70	38	28	160	140		4.2	4.8
	AHMR145/68	145	68	72	34	215	140		4.0	4.0
Straight	AHMS80/34	80	34	35	20	145	30	220	3.2	3.2
	AHMS80/58	80	58	35	20	145	30	220	3.2	3.2
	AHMS140/90	140	90	65	33	155	40	320	4.0	4.0

NOTE: D1 and D2 are inner diameter