



Elastimold™ Veri-Spike™

Grounding-aid device

Safety solutions for all the right reasons



- ABB Elastimold grounding solutions are designed with safety in mind. They help deliver durability, reliability and performance for industrial, construction, communications, utilities and OEM applications.

Elastimold™ Veri-Spike™

Grounding-aid device

The Elastimold Veri-Spike grounding-aid solution enables quick and safe verification of de-energization. Water-tight and shielded, Veri-Spike meets the IEEE 386 standard for 15/25 kV and 35 kV applications.

Overview

The Elastimold Veri-Spike grounding-aid device is designed to provide a safe and quick method to verify that a system is de-energized before any maintenance begins. The Veri-Spike device consists of a sacrificial cap and a connecting plug that installs easily in place of a basic insulating plug. Once installed, the replaceable sacrificial cap can either be cut or spiked to verify that the system is de-energized and replaced with a grounding ball to properly ground the system. The Veri-Spike grounding-aid device, made of ethylene propylene diene monomer (EPDM) rubber, is available in both 15/25 kV and 35 kV ratings and meets the IEEE 386 standard.

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Enables quick, safe verification of de-energization. Safety solutions for all the right reasons.

Technical Information

15/25 kV Class (5 kV–28 kV)

Voltage ratings

- 15/25 kV class (5 kV through 28 kV)
- 16.2 kV phase-to-ground
- 125 kV BIL
- 45 kV AC withstand
- 21.5 kV corona extinction

Current ratings

- 600 A continuous
- 25 kA sym., 10 cycles

35 kV Class

Voltage ratings

- 21.1 kV phase-to-ground
- 150 kV BIL
- 50 kV AC withstand
- 26 kV corona extinction



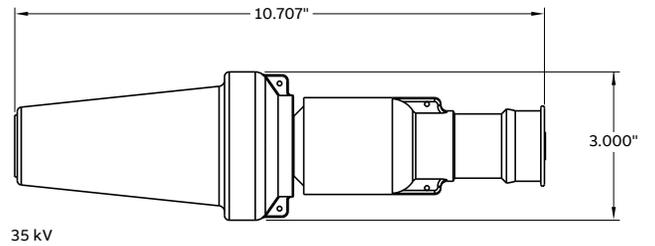
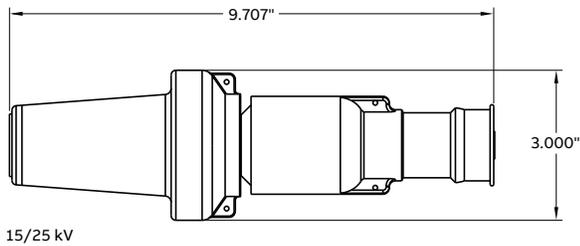
Veri Spike™ grounding-aid device

- 01 15/25kV Veri-Spike
- VSGADCP-25
- 02 35kV Veri-Spike
- VSGADCP-35
- 03 Sacrificial cap - K650SL
- 04 Grounding bar for
spiking aid - K650SLGB



Veri-Spike grounding-aid device

Conductor size	Length		Width		Part number
	in	mm	in	mm	
15/25 kV	9.707	246.558	3.000	76.20	VSGADCP-25
35 kV	10.707	271.958	3.000	76.20	VSGADCP-35



Delivering value



Safe
Helps ensure system is 100% de-energized before work
Reduces outage times



Reliable
100% factory tested to IEEE 386 standard
Completely shielded and watertight EPDM material



Versatile
Multiple 600 A cable accessories are available



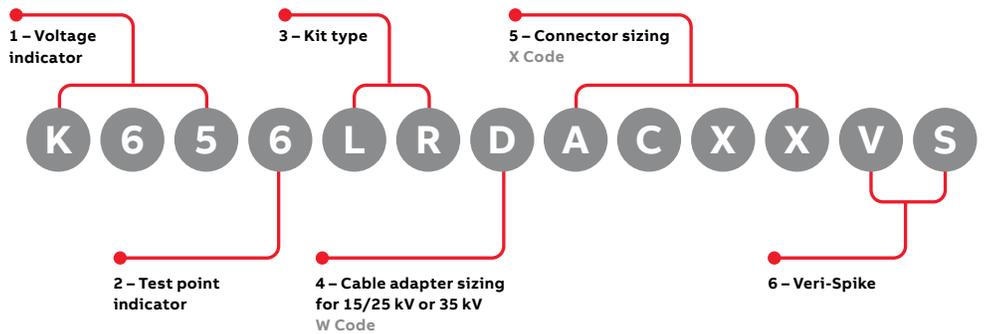
Flexible
Made for 15/25 kV and 35 kV classes
Cut or spike to verify system de-energization

Ordering information

K656LR-WX- with shearbolt option



Compression lug



Catalog number selection

1 - Voltage indicator

Description	Code
600 A 15/25 kV	K 6 5
600 A 35 kV	7 5
900 A 15/25 kV	K 6 7
900 A 35 kV	7 7

3 - Kit type

Description	Code
Elbow (with insulating plug, cap, stud lug and cable adapter)	L R
Direct test elbow (with insulating plug, cap, stud lug and cable adapter)	D L R

4 - Cable adapter sizing for 15/25 kV

Table W7				
Cable insulation diameter range				
Cable insulation diameter in inches		Cable insulation diameter in millimeters		Code for W
min	max	min	max	
0.42	0.66	10.7	16.8	D
0.53	0.68	13.5	17.3	E
0.64	0.82	16.3	20.8	F
0.76	0.95	19.3	24.1	G
0.85	1.05	21.6	26.7	H
0.98	1.18	24.9	4.6	J
1.09	1.31	27.7	33.3	K
1.18	1.465	30	37.2	L
1.28	1.43	32.5	36.3	L M
1.37	1.63	34.8	41.4	M
1.55	1.78	39.4	45.2	N
1.725	1.935	43.8	49.1	P

*1500 kcmil — 35 kV only

2 - Test point indicator

Description	Code
No test point	5
With test point	6

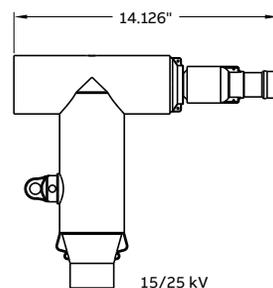
4 - Cable adapter sizing for 35 kV

Table W9				
Cable insulation diameter range				
Cable insulation diameter in inches		Cable insulation diameter in millimeters		Code for W
min	max	min	max	
0.76	0.95	19.3	24.1	G
0.85	1.05	21.6	26.7	H
0.98	1.18	24.9	30	J
1.09	1.31	27.7	33.3	K
1.18	1.465	30	37.2	L
1.37	1.63	34.8	41.4	M
1.515	1.78	38.5	45.2	N
1.725	1.935	43.8	49.1	P
1.9	2.12	48.3	53.8	Q
2.115	2.235	53.7	56.8	R

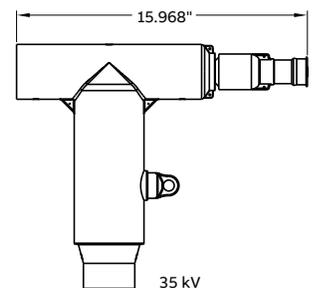
5 - Connector sizing

Table X				
AWG or kcmil				
Stranded/ compressed/ compact	Code			
#2	A C O 1			
#1	A C O 1			
1/0	A C O 1			
2/0	A C O 1			
3/0	A C O 1			
4/0	A C O 1	A C O 2		
250	A C O 1	A C O 2		
300	A C O 1	A C O 2		
350		A C O 2		
400		A C O 2		
450		A C O 2		
500		A C O 2	A C O 3	
550			A C O 3	
600			A C O 3	
650			A C O 3	
700			A C O 3	
750			A C O 3	A C O 4
800				A C O 4
900				A C O 4
1000				A C O 4
1500*				A C O 5

Connector also available in a compression lug



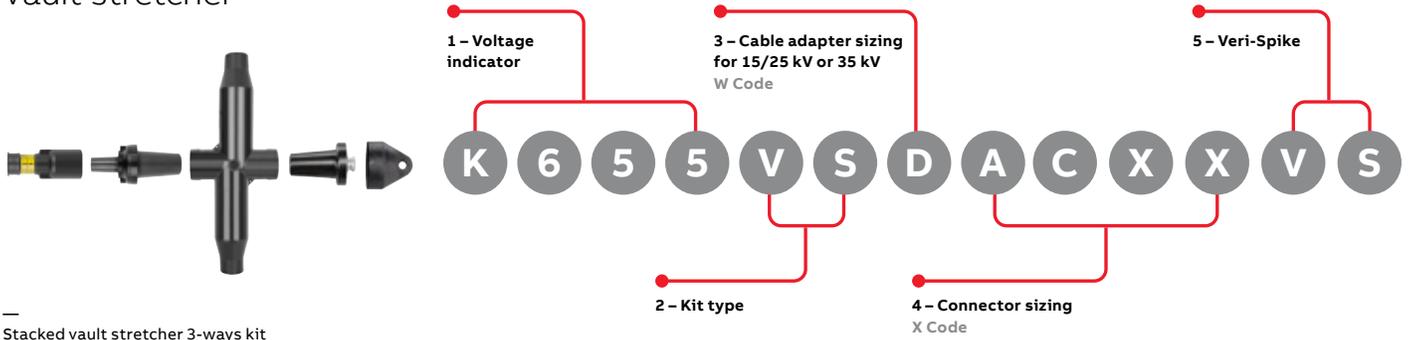
15/25 kV



35 kV

Ordering information

Vault stretcher



Stacked vault stretcher 3-ways kit

Catalog number selection

1 - Voltage indicator

Description	Code
600 A 15/25 kV	K 6 5 5
600 A 35 kV	7 5 5
900 A 15/25 kV	K 6 7 5
900 A 35 kV	7 7 5

2 - Kit type

Description	Code
2 Ways	V S L 2
3 Ways	V S L 3
4 Ways	V S L 4

4 - Connector sizing

Table X				
AWG or kcmil				
Stranded/ compressed/ compact	Code			
#2	A C 0 1			
#1	A C 0 1			
1/0	A C 0 1			
2/0	A C 0 1			
3/0	A C 0 1			
4/0	A C 0 1	A C 0 2		
250	A C 0 1	A C 0 2		
300	A C 0 1	A C 0 2		
350		A C 0 2		
400		A C 0 2		
450		A C 0 2		
500		A C 0 2	A C 0 3	
550			A C 0 3	
600			A C 0 3	
650			A C 0 3	
700			A C 0 3	
750			A C 0 3	A C 0 4
800				A C 0 4
900				A C 0 4
1000				A C 0 4
1500*				A C 0 5

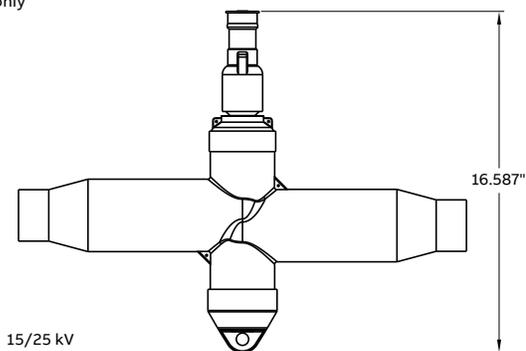
3 - Cable adapter sizing for 15/25/35 kV

Table W7

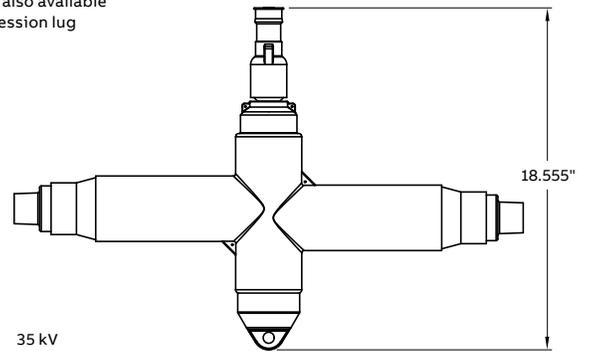
Cable insulation diameter range

Cable insulation diameter in inches		Cable insulation diameter in millimeters		Code for W
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Connector also available in a compression lug

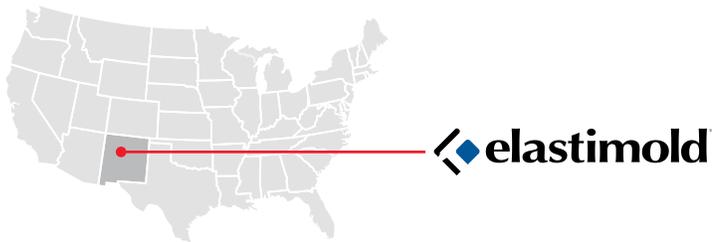




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ABB Installation Products Inc.
Electrification business

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Elastimold™ Veri-Spike™
grounding-aid devices are
assembled, tested and shipped
from Albuquerque, NM.

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